STR-V333ES/V444ES/ V555ES

SERVICE MANUAL

Ver 1.1 2001.04

US Model
Canadian Model
STR-V333ES/V444ES/V555ES
AEP Model
UK Model
E Model
Australian Model
Chinese Model
PX Model
STR-V555ES

Photo: STR-V444ES

This receiver incorporates Dolby* Digital and Dolby Pro Logic Surround and the DTS** Digital Surround System.

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
With 8 ohm loads, both channels driven, from 20 - 20,000 Hz; rated 120 watts per channel minimum RMS power, with no more than 0.05 % total harmonic distortion from 250 milliwatts to rated output (US model only).

Amplifier section

POWER OUTPUT

STR-V555ES

Models of area code UC

Rated Power Output at Stereo Mode

(8 ohms 20 Hz – 20 kHz, THD 0.05 %)
120 W + 120 W

(4 ohms 20 Hz – 20 kHz, THD 0.09 %)
100 W + 100 W

Reference Power Output

(8 ohms 20 Hz – 20 kHz, THD 0.05 %)
FRONT [1]:
120 W + 120 W
CENTER [1]: 120 W
REAR [1]:
120 W + 120 W

(4 ohms 20 Hz – 20 kHz, THD 0.09 %)
FRONT :[1]
100 W + 100 W
CENTER [1]: 100 W
REAR [1]:
100 W + 100 W

Models of other area code

Rated Power Output at Stereo Mode

(8 ohms 1 kHz, THD 0.7 %)
120 W + 120 W [2]
110 W + 110 W [3]

(4 ohms 1 kHz, THD 0.7 %)
100 W + 100 W [2]
90 W + 90 W [3]

Reference Power Output [2]

(8 ohms 1 kHz, THD 0.7 %)
FRONT [1]:
120 W + 120 W
CENTER [1]: 120 W
REAR [1]:
120 W + 120 W

(4 ohms 1 kHz, THD 0.7 %)
FRONT [1]:
100 W + 100 W
CENTER [1]: 100 W
REAR [1]:
100 W + 100 W

(8 ohms 20 Hz – 20 kHz, THD 0.05 %)
FRONT [1]:
100 W + 100 W
CENTER [1]: 100 W
REAR [1]:
100 W + 100 W

(4 ohms 20 Hz – 20 kHz, THD 0.09 %)
FRONT [1]:
90 W + 90 W
CENTER [1]: 90 W
REAR [1]:
90 W + 90 W

1) Depending on the sound field settings and the source, there may be no sound output.

2) Measured under the following conditions:

Area code	Power requirements
TW	110 V AC, 60 Hz
CN, CED	230 V AC, 50 Hz

3) Measured under the following conditions:

Area code	Power requirements
CN	220 V AC, 50 Hz

— Continued on next page —

FM STEREO FM-AM RECEIVER

9-929-297-12
2001D0900-1
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Sony Corporation
Home Audio Company
Shinagawa Tec Service Manual Production Group

SONY®

STR-V333ES/V444ES

Rated Power Output at Stereo Mode

(8 ohms 20 Hz – 20 kHz, THD 0.05 %)

STR-V444ES 120 W + 120 W

STR-V333ES 110 W + 110 W

(4 ohms 20 Hz – 20 kHz, THD 0.09 %)

STR-V444ES 100 W + 100 W

STR-V333ES 90 W + 90 W

Reference Power Output

(8 ohms 20 Hz – 20 kHz, THD 0.05 %)

STR-V444ES FRONT [1]: 120 W + 120 W
CENTER [1]: 120 W
REAR [1]: 120 W + 120 W

STR-V333ES FRONT [1]: 110 W + 110 W
CENTER [1]: 110 W
REAR [1]: 110 W + 110 W

(4 ohms 20 Hz – 20 kHz, THD 0.09 %)

STR-V444ES FRONT: [1] 100 W + 100 W
CENTER [1]: 100 W
REAR [1]: 100 W + 100 W

STR-V333ES FRONT: [1] 90 W + 90 W
CENTER [1]: 90 W
REAR [1]: 90 W + 90 W

Frequency response

PHONO: RIAA equalization curve ±0.5 dB

CD, TAPE, MD/DAT, DVD/LD, TV/SAT, VIDEO 1, 2, and VIDEO 3: 10 Hz – 100 kHz +0.5/–3 dB (with sound field and equalizer bypassed)

Inputs (Analog)

PHONO: Sensitivity: 2.5 mV Impedance: 50 kilohms S/N [4]: 86 dB (A, 2.5 mV [5])

5.1CH INPUT , CD, TAPE, MD/DAT, DVD/LD, TV/SAT, VIDEO 1, 2, and VIDEO 3: Sensitivity: 150 mV Impedance: 50 kilohms S/N [4]: 96 dB (A, 150 mV [5])

1) Depending on the sound field settings and the source, there may be no sound output.

4) INPUT SHORT

5) Weighted network, input level

Inputs (Digital)

DVD/LD IN, CD IN (STR-V444ES, STR-V555ES) (Coaxial): Sensitivity: – Impedance: 75 ohms S/N: 100 dB (A, 20 kHz LPF)

DVD/LD IN, TV/SAT IN, CD IN, MD/DAT IN (Optical): Sensitivity: – Impedance: – S/N: 100 dB (A, 20 kHz LPF)

Outputs (Analog)

TAPE, MD/DA T (REC OUT); VIDEO 1, 2 (AUDIO OUT), 2ND AV (STR-V444ES, STR-V555ES), 2ND AUDIO (STR-V333ES): Voltage: 150 mV , Impedance: 1 kilohms

FRONT L/R, CENTER, REAR L/R, SUB WOOFER: Voltage: 2 V Impedance: 1 kilohms

PHONES: Accepts low- and high-impedance headphones

Outputs (Digital)

MD/DAT (Optical)

Sampling Frequency

48 kHz

EQ

BASS: 99 Hz~1.0 kHz (21 steps)
MID: 198 Hz~10 kHz (37 steps)
TREBLE: 1.0 kHz~10 kHz (23 steps)
Gain levels: ±10 dB, 1 dB step

FM tunersection

Tuningrange 87.5 - 108.0 MHz

Antenna terminals

75 ohms, unbalanced

Sensitivity Mono: 18.3 dBf, 2.2 µV/75 ohms
Stereo: 38.3 dBf, 22.5 µV/75 ohms

Usable sensitivity

11.2 dBf, 1 µV/75 ohms

S/N Mono: 76 dB
Stereo: 70 dB

Harmonic distortion at 1 kHz

Mono: 0.3%
Stereo: 0.5%

Separation 45 dB at 1 kHz

Frequencyresponse

30 Hz – 15 kHz +0.5/–2 dB

Selectivity 60 dB at 400 kHz

AM tuner section

Tuningrange

STR-V333ES, STR-V444ES
With 10-kHz tuning scale:
530 – 1710 kHz [6]
With 9-kHz tuning scale:
531 – 1710 kHz [6]

STR-V555ES
Models of area code UC
With 10-kHz tuning scale:
530 – 1710 kHz [6]
With 9-kHz tuning scale:
531 – 1710 kHz [6]
Models of area code CN, CED, TW, E
With 9-kHz tuning scale:
531 – 1602 kHz

Antenna Loop antenna

Usable sensitivity
50 dB/m (at 1,000 kHz or 999 kHz)

S/N 54 dB (at 50 mV/m)

Harmonicdistortion
0.5 % (50 mV/m, 400 kHz)

Selectivity At 9 kHz: 35 dB
At 10 kHz: 40 dB

6) (US, Canadian, E, Taiwan only)
You can change the AM tuning scale to 10 kHz ←→ 9 kHz. After tuning in any AM station, turn off the receiver. Hold down the TUNING + button and press the I/⏻ *button. All pr eset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.*

Video section

Inputs
Video: 1 Vp-p 75 ohms
S-video:
Y: 1 Vp-p 75 ohms
C: 0.286 Vp-p 75 ohms
Component video (STR-V444ES, STR-V555ES):
Y: 1 Vp-p 75 ohms
B-Y: 1 Vp-p 75 ohms
R-Y: 1 Vp-p 75 ohms

Outputs
Video: 1 Vp-p 75 ohms
S-video:
Y: 1 Vp-p 75 ohms
C: 0.286 Vp-p 75 ohms
Component video (STR-V444ES, STR-V555ES):
Y: 1 Vp-p 75 ohms
B-Y: 1 Vp-p 75 ohms
R-Y: 1 Vp-p 75 ohms

General

System
Tuner section:
PLL quartz-locked digital synthesizer system
Preamplifier section:
Low-noise NF type equalizer
Power amplifier section:
Pure-complementary SEPP

Power requirements

STR-V333ES, STR-V444ES
120 V AC, 60 Hz

STR-V555ES
Models of area code UC
120 V AC, 60 Hz
Models of area code CED
230 V AC, 50/60 Hz
Models of area code CN
220 – 230 V AC, 50/60 Hz
Models of area code E
120/220/240 V AC, 50/60 Hz
Models of area code TW
110 V AC, 60 Hz

Power consumption

STR-V555ES
Models of area code UC
420 W
Models of area code CED, CN
370 W
Models of area code E, TW
420 W

STR-V444ES
420 W

STR-V333ES
410 W

AC outlets

STR-V555ES
Models of area code UC
2 switched, total 120 W/1A
Models of area code CED
1 switched, total 100 W
Models of area code E, CN, TW
2 switched, total 100 W

STR-V333ES, STR-V444ES
2 switched, total 120 W/1A

Dimensions 430 × 175 × 405 mm (17 × 7 × 16 in.) including projecting parts and controls

Mass (Approx.)
STR-V444ES, STR-V555ES
17.0 kg (37 lb 8 oz)
STR-V333ES
16.0 kg (35 lb 4 oz)

Supplied accessories

STR-V333ES/444ES

- FM wire antenna (1)
- AM loop antenna (1)
- Audio/video/control S connecting cord (1)
- Control S connecting cord (1)
- Remote commander RM-LJ304 (remote) (1)
- LR6 (size-AA) alkaline batteries (3)

STR-V444ES only

- Remote commander RM-US104 (remote) (1)
- R6 (size-AA) batteries (2)

STR-V555ES

- FM wire antenna (1)
- AM loop antenna (1)
- Remote commander RM-TP504 (remote) (1)
- LR6 (size-AA) alkaline batteries (4)
- Coin shaped lithium battery (CR-2032) (1)

Models of area code UC only

- Audio/video/control S connecting cord (1)
- Control S connecting cord (1)
- Remote commander RM-US104 (remote) (1)
- R6 (size-AA) batteries (2)

Area Code

For details on the area code of the component you are using, see Fig. 1.

UC: US, Canadian model

CED: AEP, UK, East European, CIS, Australian, malaysia, Singapole, Hong Kong model

E: E, Saudi Arabia, PX model

TW: Taiwan model

CN: Chinese model

Design and specifications are subject to change without notice.

SAFETY-RELATED COMPONENT WARNING!!

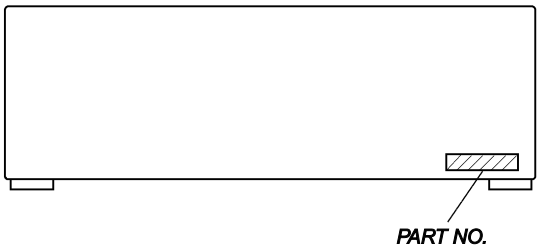
COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

MODEL IDENTIFICATION

– BACK PANEL –



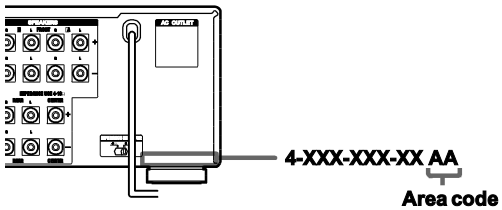
MODEL	PARTS No.
V555ES: US, CND, E, PX, EA model	4-228-819-0□
V444ES model	4-228-819-1□
V333ES model	4-228-819-2□
V555ES: AEP, UK, CIS, AUS, MY, SP, EE, HK model	4-228-819-3□
V555ES: CH model	4-228-819-5□
V555ES: TW model	4-228-819-6□

- Abbreviation
  CND : Canadian model
  AUS : Australian model
  CH : Chinese model
  EE : East European model
  EA : Saudi Arabia model
  SP : Singapore model
  TW : Taiwan model
  MY : Malaysia model
  HK : Hong Kong model

AREA CODE

About area codes

The area code of the receiver you purchased is shown on the lower portion of the rear panel (see the illustration below).



Any differences in operation, according to the area code, are clearly indicated in the text, for example, "Models of area code AA only".

Fig. 1

UC : US, Canadian model
CED : AEP, UK, East European, CIS, Australian, Hong Kong model
E : E, Saudi Arabia, Malaysia, Singapore, PX model
TW : Taiwan model
CN : Chinese model

与安全有关的零部件须知

在原理图上用阴影及⚠标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时，请进行这些调整操作。

SAFETY CHECK-OUT
(US model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer: Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.

2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

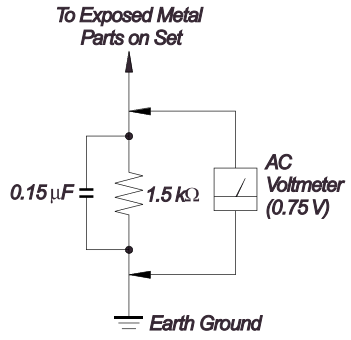


Fig. A. Using an AC voltmeter to check AC leakage.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

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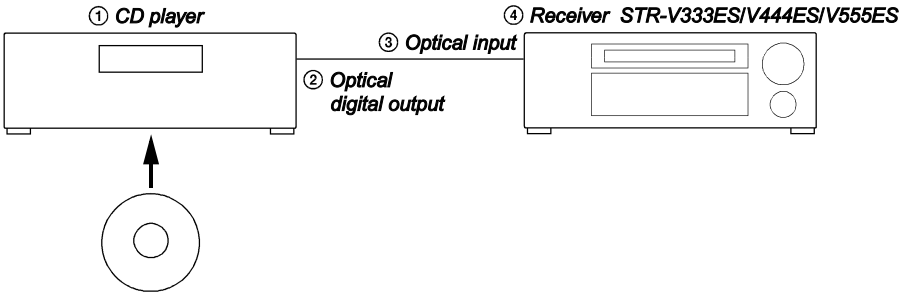
SECTION 1
SERVICE NOTE

DTS Decode Test

• Required Instrument
CD player (equipped with optical digital output)
Optical cable
DTS test CD (J-2501-154-A)

Connection:


① CD player
④ Receiver STR-V333ES/V444ES/V555ES
③ Optical input
② Optical digital output
⑤ DTS test CD (Music Demonstration and Set Up Disc)

Procedure:

1. Set the FUNCTION of the receiver to the CD position and confirm that " OPTICAL " and "CD" appear on the display.

2. Insert the DTS test CD into the CD player and play the CD.

3. About three seconds later, confirm that the receiver recognizes the optical signal and that the "DTS" and "dts [3/2]" are appear on the display. Confirm also that MULTI CHANNEL DECODING (blue lamp) flashes on the front panel.

Music Demonstration

Track No.	Contents	Time
1	Seal : "Prayer for the Dying"	5'40"
2	Andrew Litton conducting The Dallas Symphony Orchestra & Chorus: Excerpt from Tchaikovsky: "1812 Overture"	4'16"
3	Alan Parsons with Christopher Cross: "So Far Away"	4'08"
4	Shoelss Joe: "The Bet"	3'29"
5	TELARC: "A Touch of Surround Madness"	6'42"

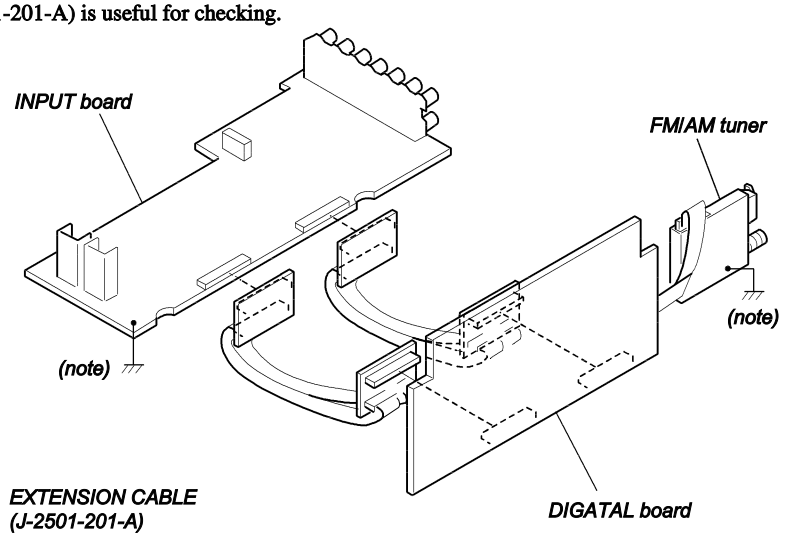
Set-Up

Track No.	Contents	Time
6	1 kHz sine (All channels) Level Adjustment and Harmonic Distortion Analysis	1'00"
7	100 Hz sine (All channels) Verification of Signal and Subwoofer Testing	1'00"
8	C-Weighted Pink Noise-Left Front Channel	1'00"
9	C-Weighted Pink Noise-Center Channel	2'00"
10	C-Weighted Pink Noise-Right Front Channel	2'00"
11	C-Weighted Pink Noise-Right Rear Channel	2'00"
12	C-Weighted Pink Noise-Left Rear Channel	2'00"
13	C-Weighted Pink Noise-Subwoofer (LEE)	2'00"
14	C-Weighted Pink Noise-All Channels	2'00"
15	10 Hz to 20 kHz Sine Sweep An "All Channel" Frequency Response Test	2'00"
16	20 Hz to 160 Hz sine sweep A "Subwoofer" Low Frequency Response Test	2'00"

* Track numbers from 8 to 14 are for Room Equalization and Channel Identification.

JIG FOR CHECKING DIGITAL BOARD.

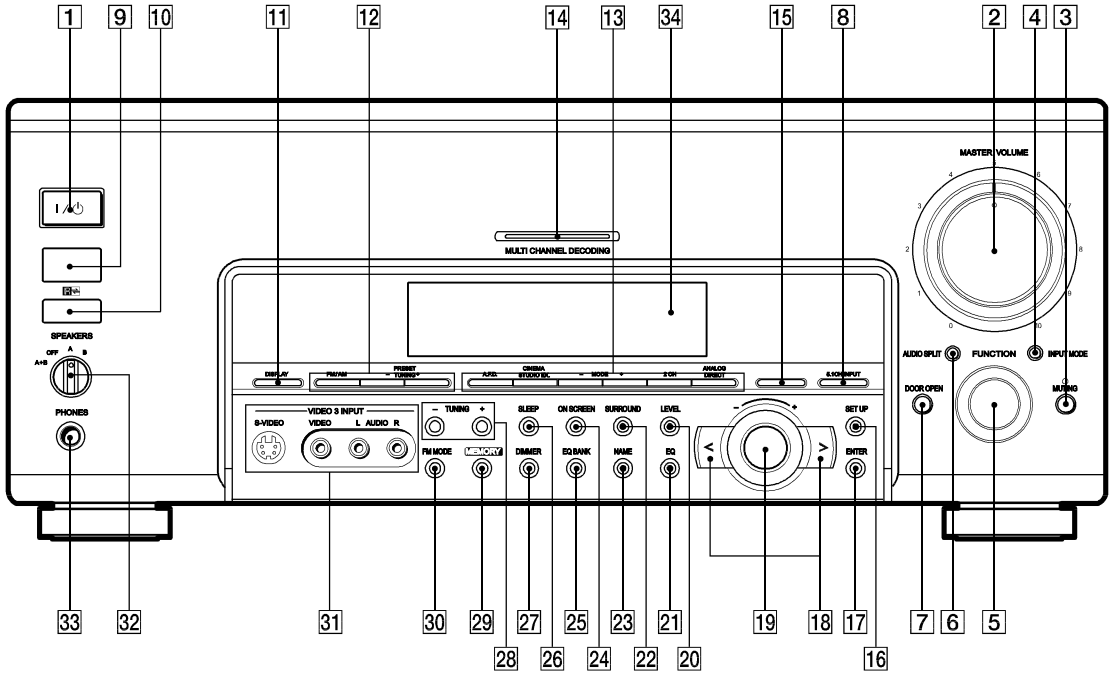
This extension cable (J-2501-201-A) is useful for checking.



Note : GND land of INPUT board and FM/AM tuner unit are connected to chassis.

SECTION 2
GENERAL

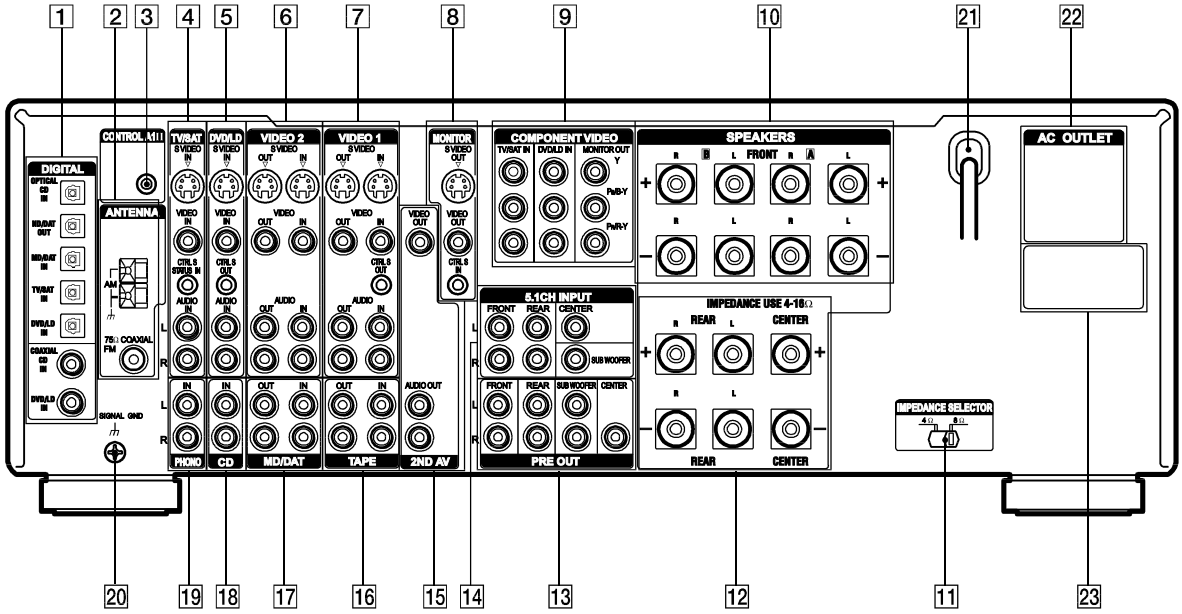
FRONT PANEL



1 I/⏻ button
2 MASTER VOLUME control
3 MUTING button and indicator
4 INPUT MODE button
5 FUNCTION control
6 AUDIO SPLIT button
7 DOOR OPEN button
8 5.1CH INPUT button
9 IR receptor
10 IR emitter
11 DISPLAY button
12 FM/AM button
PRESET TUNNING +/– buttons
13 A.F.D. button
CINEMA STUDIO EX button
MODE +/– buttons
2CH button
ANALOG DIRECT button
14 MULTI CHANNEL DECODING indicator
15 2ND AV button (V444ES/V555ES model)
2ND AUDIO button (V333ES model)
16 SET UP button
17 ENTER button
18 Cursor button (< / >)
19 Jog dial
20 LEVEL button
21 EQ button
22 SURROUND button
23 NAME button
24 ON SCREEN button
25 EQ BANK button
26 SLEEP button
27 DIMMER button
28 TUNING +/– buttons
(EXCEPT AEP,UK,CIS,EE,AUS,MY,SP,HK)
TUNNING/PTY SELECT +/– buttons
(AEP,UK,CIS,EE,AUS,MY,SP,HK model)
29 MEMORY button
30 FM MODE button
31 VIDEO 3 INPUT jack
S-VIDEO
VIDEO
AUDIO L/R
32 SPEAKERS selector
33 PHONES jack
34 Display window

- Abbreviation
  EE : East European model
  AUS : Australian model
  MY : Malaysia model
  SP : Singapore model
  HK : Hong Kong model

REAR PANEL



1 DIGITAL jack
OPTICAL CD IN
MD/DAT IN/OUT
TV SAT IN
DVD/LD IN
COAXIAL CD IN(V444ES/V555ES model)
DVD LD IN

2 ANTENNA terminal
AM
FM

3 CONTROL A1 II jack

4 TV/SAT jack
S VIDEO IN
VIDEO IN
CTRL S STATUS IN
(V333ES/V444ES/V555ES: US, CND model)
AUDIO IN

5 DVD/LD jack
S VIDEO IN
VIDEO IN
CTRL S OUT
(V333ES/V444ES/V555ES: US, CND model)
AUDIO IN

6 VIDEO 2 jack
S VIDEO IN/OUT
VIDEO IN/OUT
AUDIO IN/OUT

7 VIDEO 1 jack
S VIDEO IN/OUT
VIDEO IN/OUT
CTRL S OUT
(V333ES/V444ES/V555ES: US, CND model)
AUDIO IN/OUT

8 MONITOR jack
S VIDEO OUT
VIDEO OUT
CTRL S IN (V333ES/V444ES/V555ES: US, CND model)

9 COMPONENT VIDEO jack (V444ES/V555ES model)
TV/SAT IN, Y, C_B/B-Y, C_R/R-Y
DVD LD IN, Y, C_B/B-Y, C_R/R-Y
MONITOR OUT, Y, C_B/B-Y, C_R/R-Y

10 SPEAKERS terminal
FRONT A
FRONT B

11 IMPEDANCE SELECTOR switch 4Ω/8Ω

12 SPEAKERS terminal
REAR CENTER

13 PRE OUT jack
FRONT
REAR
SUB WOOFER
CENTER

14 5.1CH INPUT jack
FRONT
REAR
CENTER
SUB WOOFER

15 2ND AV jack (V444ES/V555ES model)
VIDEO OUT
AUDIO OUT
2ND AUDIO jack (V333ES model)
AUDIO OUT

16 TAPE jack
IN/OUT

17 MD/DAT jack
IN/OUT

18 CD IN jack

19 PHONE IN jack

20 SIGNAL GND

21 AC power cord

22 AC OUTLET

23 VOLTAGE SELECTOR switch
(V555ES: E, PX EA model)

- Abbreviation
  EE : East European model
  CND : Canadian model

- Abbreviation
  EA : Saudi Arabia model

SECTION 3
TEST MODE

FLUORESCENT INDICATOR TUBE TEST MODE

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. While depressing, the [AUDIO SPLIT] and the [DISPLAY] buttons simultaneously, press the power [I/⏻] button to turn on the main power.
2. All segments turn on at the same time, then each segment turns on press the [AUDIO SPLIT] button.

FACTORY SET MODE

All preset contents are reset to the default setting.

Procedure:

1. While depressing the [MUTING], and the [FM/AM] buttons simultaneously, press the power [I/⏻] button to turn on the main power. The message Factry Set appears and the present contents are reset to the default values.

ALL CLEAR MODE

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

ALL CLEAR mode; Press the [MUTING], [5.1CH INPUT], and [I/⏻] buttons.

SOUND FIELD CLEAR MODE

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While depressing the [MODE +] button, press the power [I/⏻] button to turn on the main power. The message S.F Initialize appears and initialization is performed.

AM CHANNEL STEP 9 KHZ/10 KHZ SELECTION MODE (US, Canadian, E, Taiwan MODELS)

Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

Procedure:

1. Set the FUNCTION to AM. Turn off the main power.
2. While depressing the [TUNING +] button or the [PRESET TUNING +] button, press the power [I/⏻] button to turn on the main power.
3. Either the message AM 9kHz Step or AM 10kHz Step appears. Select the desired step.

VERSION MODE

When this mode is used, the microprocessor version number is displayed.

Procedure:

1. Press the [I/⏻] button while pressing the [MUTING], and [DISPLAY] buttons to turn on the power. The microprocessor version number appears as follows.

SECTION 4
ELECTRICAL ADJUSTMENT

[IDLING CURRENT ADJUSTMENT]

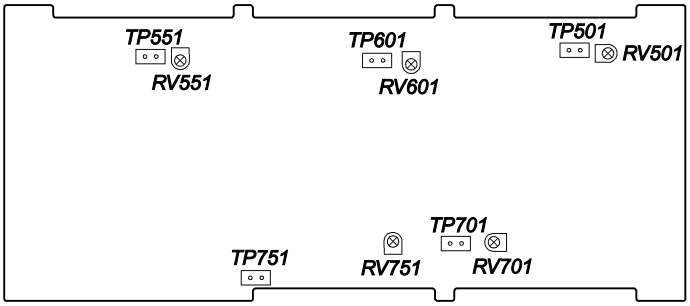
Measuring Instrument: Digital voltmeter

Adjustment Procedure: Adjust the respective adjustment elements so that the voltage (absolute value) across the corresponding testpoints satisfies the specification.

Channel	Test point	Adjustment element	Specification
FRONT L	TP501	RV501	6mV
FRONT R	TP551	RV551	
CENTER	TP601	RV601	
REAR L	TP701	RV701	
REAR R	TP751	RV751	

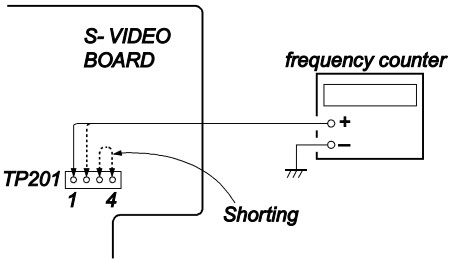
Adjustment Location:

[POWER AMP BOARD]



[OSD ADJUSTMENT]

Measuring Instrument: frequency counter



Procedure:

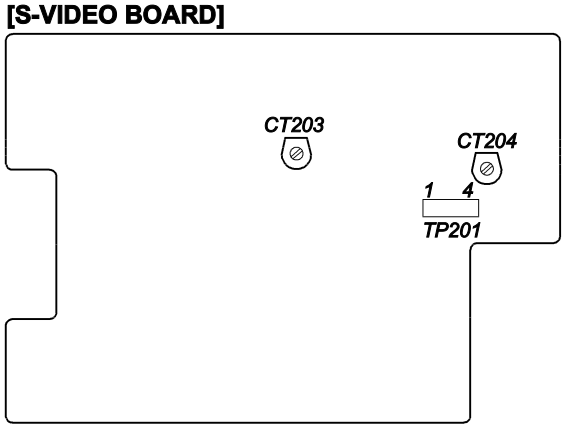
1. Connect the frequency counter to check connector (TP201) of the S VIDEO board.
2. Connect between Pin ③ to Pin ④ of TP201 by lead wire.
3. Adjust the respective adjustment element so that the frequency counter read specification.

Adj.	MODEL		Adjustment element	measurement point	Specification
I	EXCEPT US,CND,TW model	NTSC	CT202 (CLOCK BOARD)	TP201 Pin ①	7.2MHz ± Hz
		PAL	CT201 (CLOCK BOARD		
	US, CND, TW model		CT203 (S-VIDEO BOARD)		
II	All models		CT204 (S-VIDEO BOARD)	TP201 Pin ②	14.306MHz ± Hz

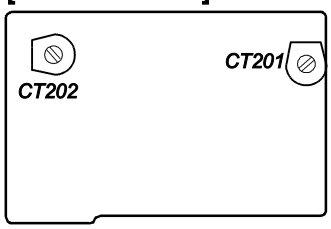
4. After check, remove the lead wire connected in step 2.

Adjustment Location:

[S-VIDEO BOARD]

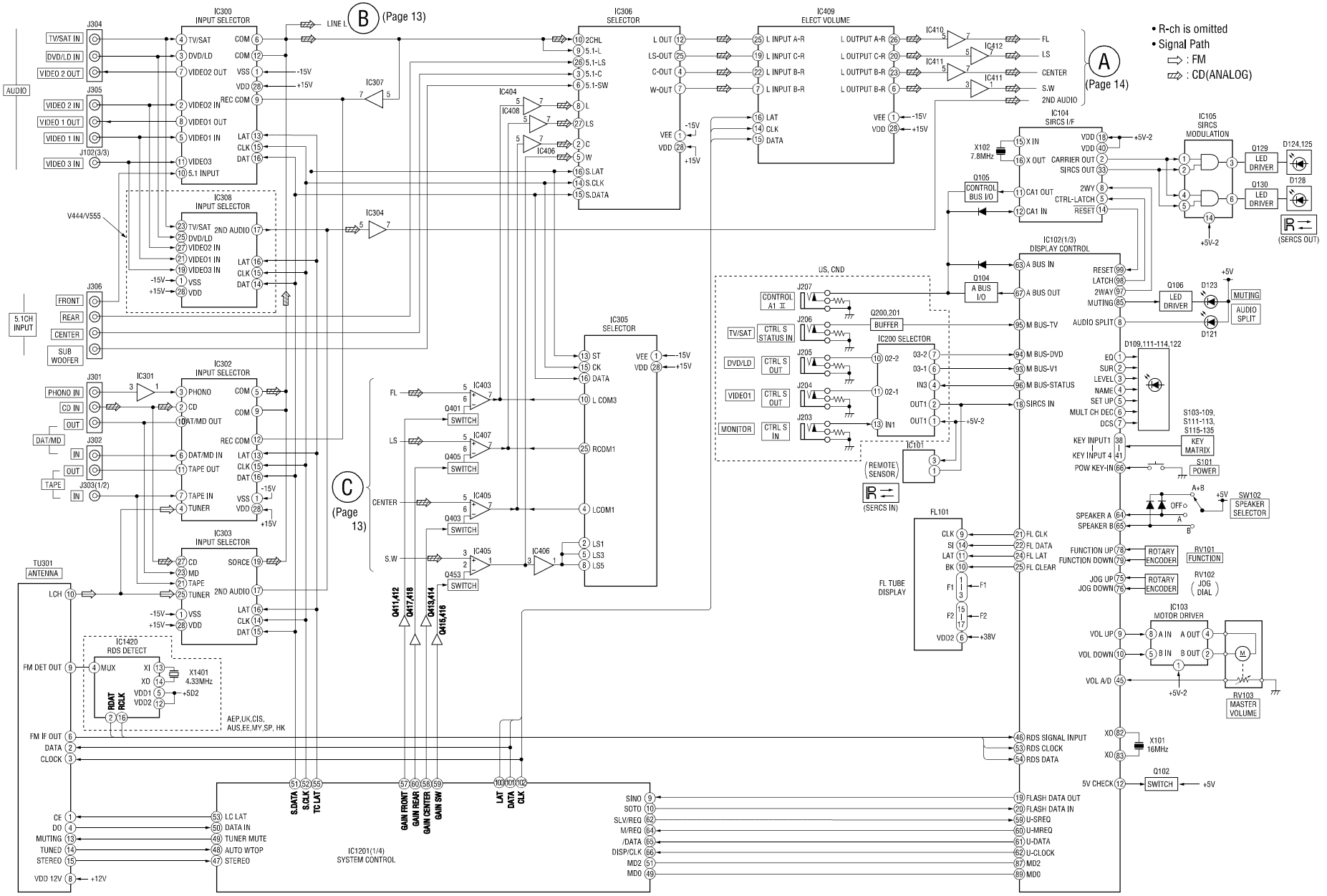


[CLOCK BOARD]

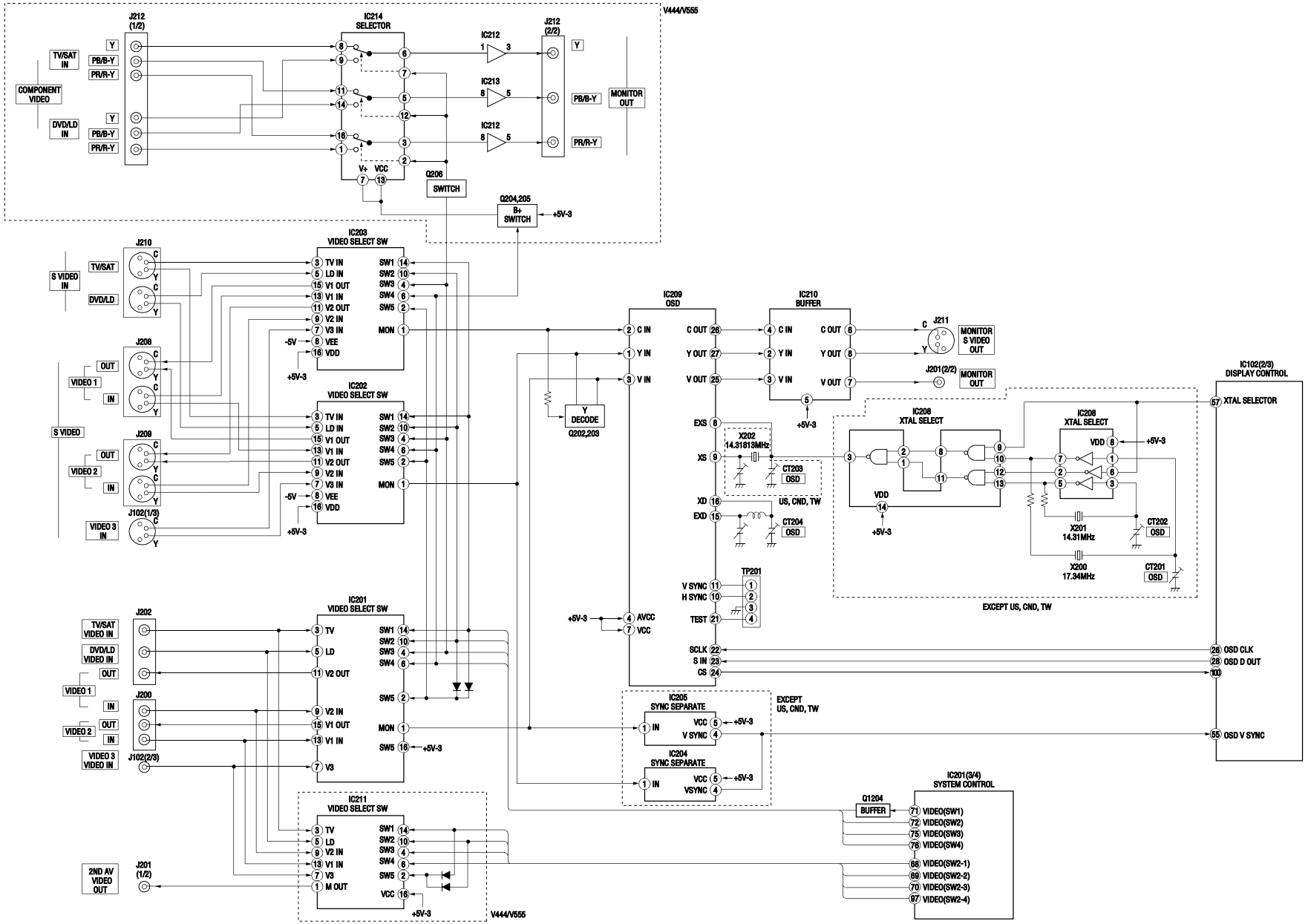


SECTION 5
DIAGRAMS

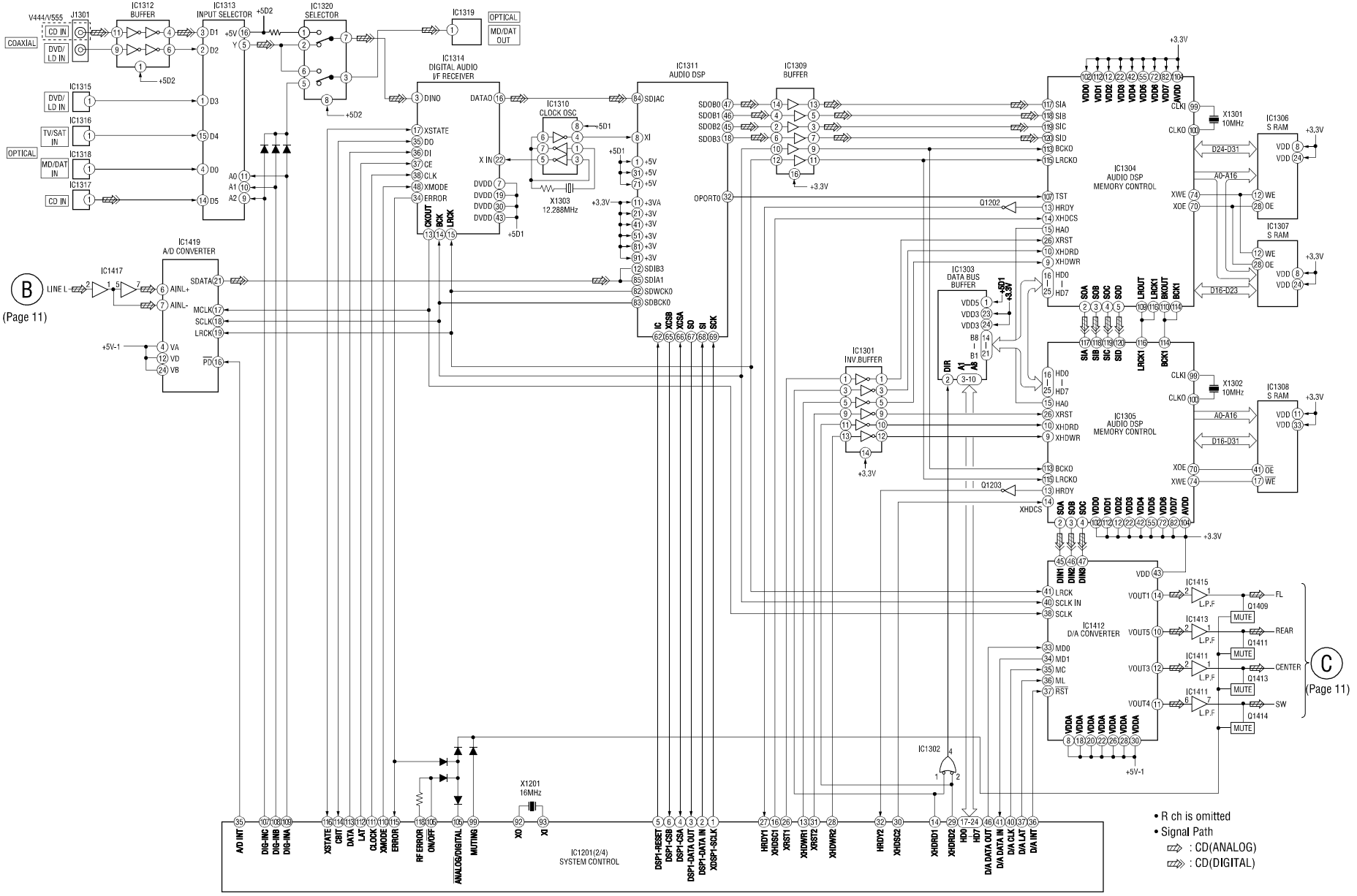
5-1. BLOCK DIAGRAM – AUDIO SECTION –



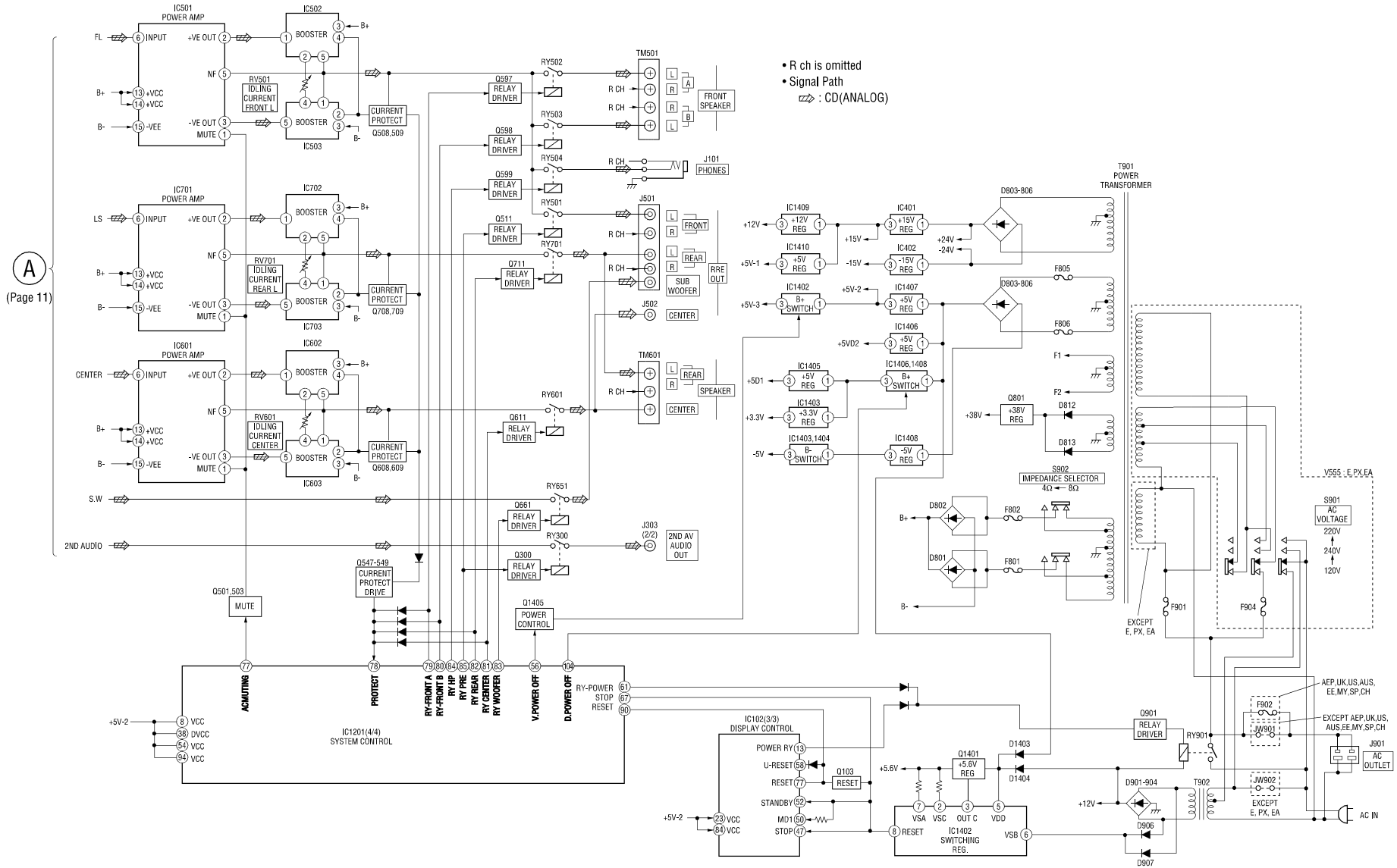
– VIDEO SECTION –



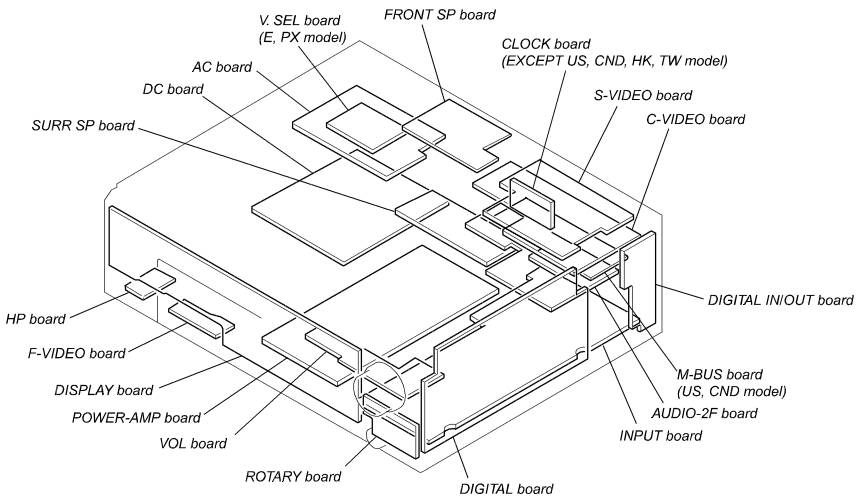
– DIGITAL SECTION –



– POWER AMP SECTION –



5-2. CIRCUIT BOARDS LOCATION



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(IN ADDITION TO THIS NECESSARY NOTE IS PRINTED IN EACH BLOCK.)

For schematic diagrams.

Note:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- % : indicates tolerance.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

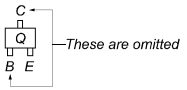
以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

- B+ : B+ Line.
- B− : B− Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  No mark : FM
  ( ) : VIDEO 1
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
  : FM
  : CD (ANALOG)
  : CD (DIGITAL)
  : PHONO
- Abbreviation
  CND : Canadian model
  AUS : Australian model
  CH : Chinese model
  EE : East European model
  EA : Saudi Arabia model
  SP : Singapore model
  TW : Taiwan model
  MY : Malaysia model
  HK : Hong Kong model

For printed wiring boards.

Note:

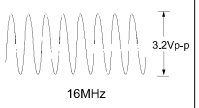
- : parts extracted from the component side.
- : Through hole.
- : Pattern from the side which enables seeing.
- There are few cases that the part isn't mounted in model is printed on diagram.



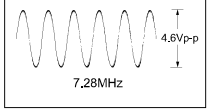
• Waveform

• DISPLAY SECTION

① IC102 ㉜ (XO)

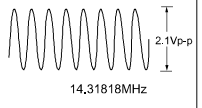


② IC104 ⑯ (X OUT)

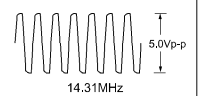


• S-VIDEO SECTION

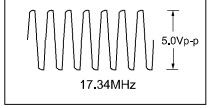
① IC209 ⑨ (XS)



② IC207 ⑤

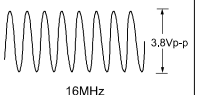


③ IC207 ⑦

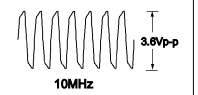


• DIGITAL SECTION

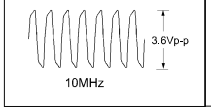
① IC1201 ㊸ (XI)



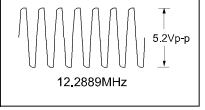
② IC1304 ⑩ (CLKO)



③ IC1305 ⑩ (CLKO)

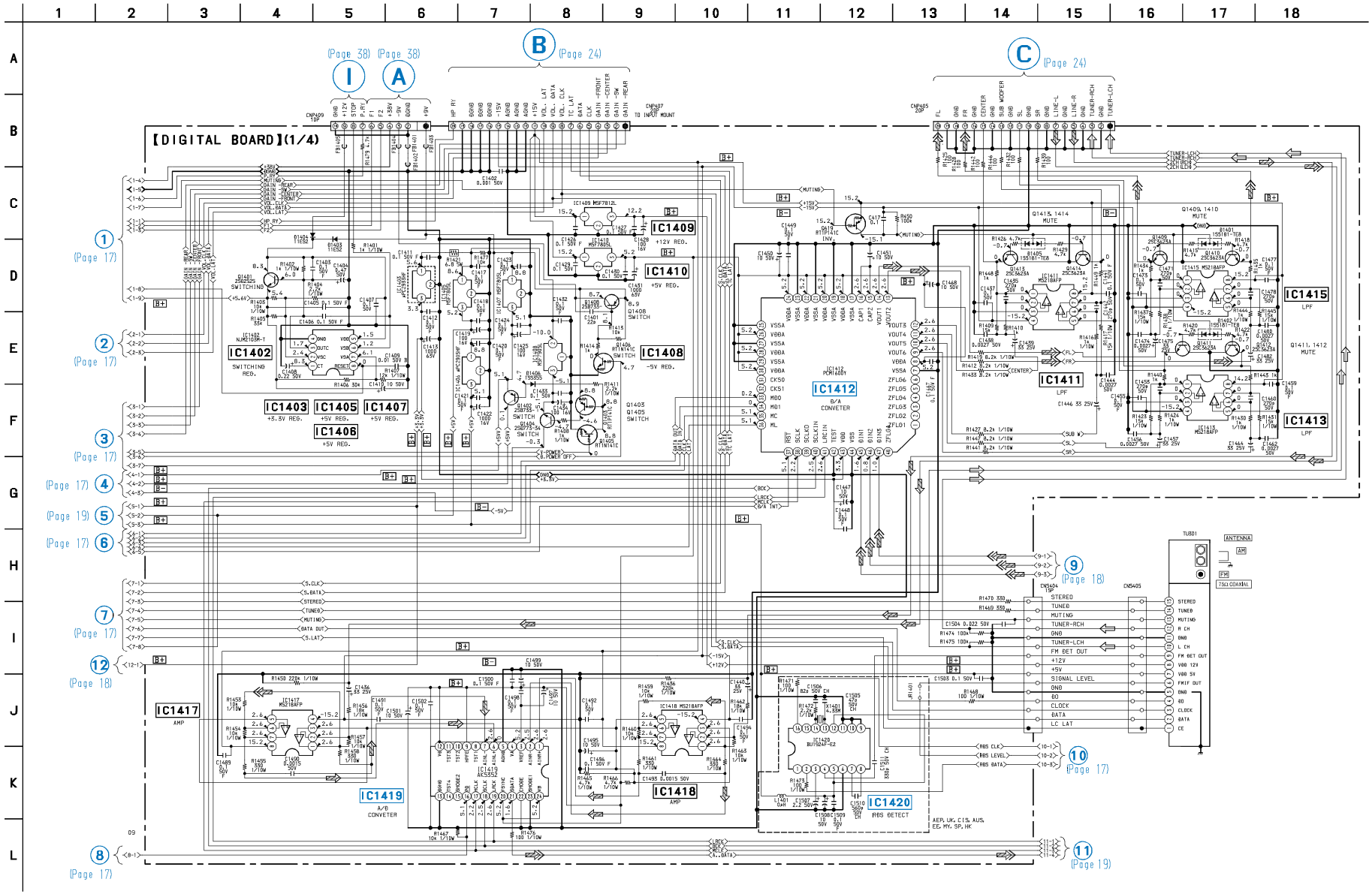


④ IC1310 ②



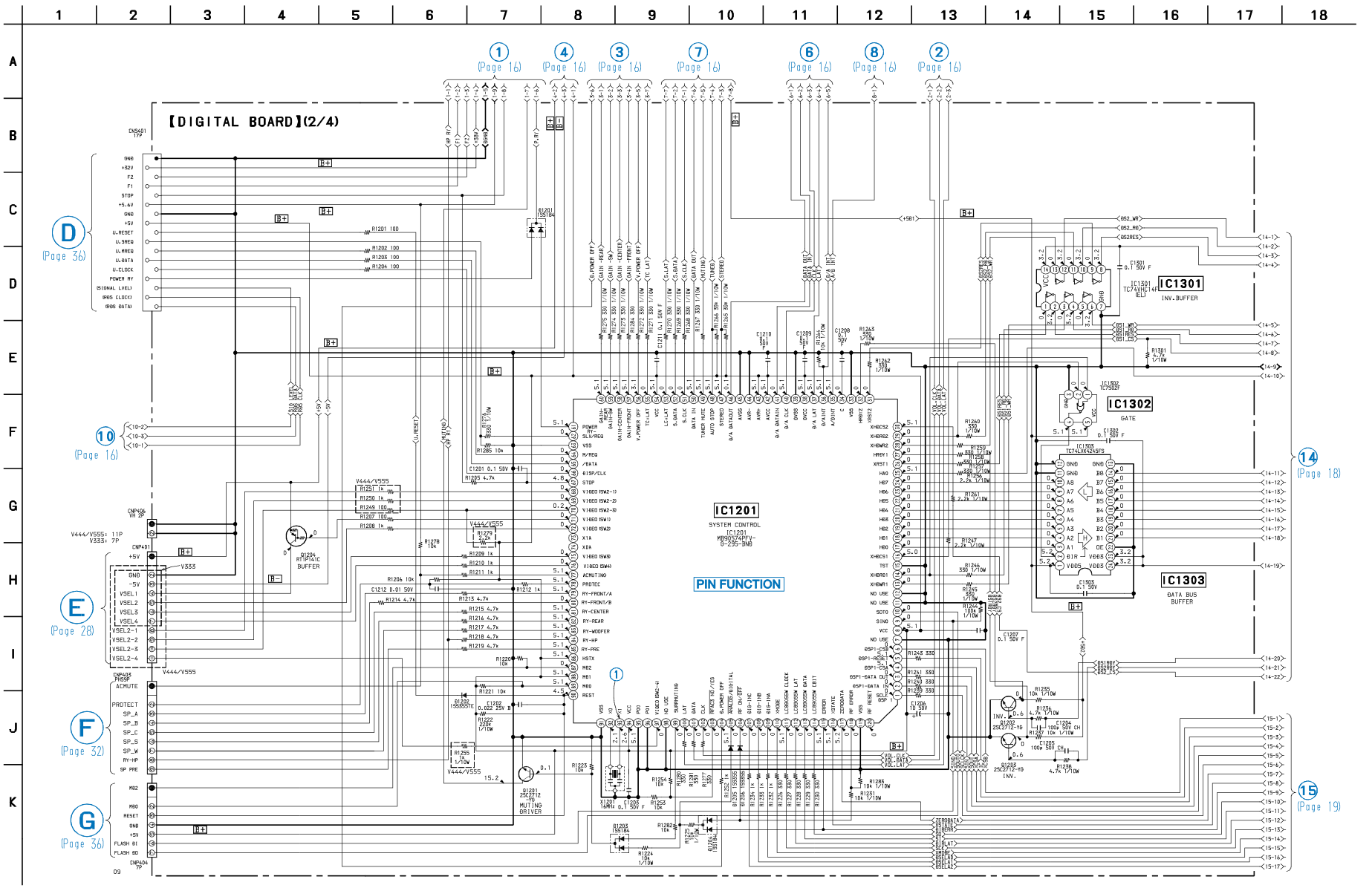
5-3. SCHEMATIC DIAGRAM — DIGITAL (1/4) SECTION —

- **See page 20, 21 for Printed Wiring Board.**
- **See page 40 for IC Block Diagrams.**



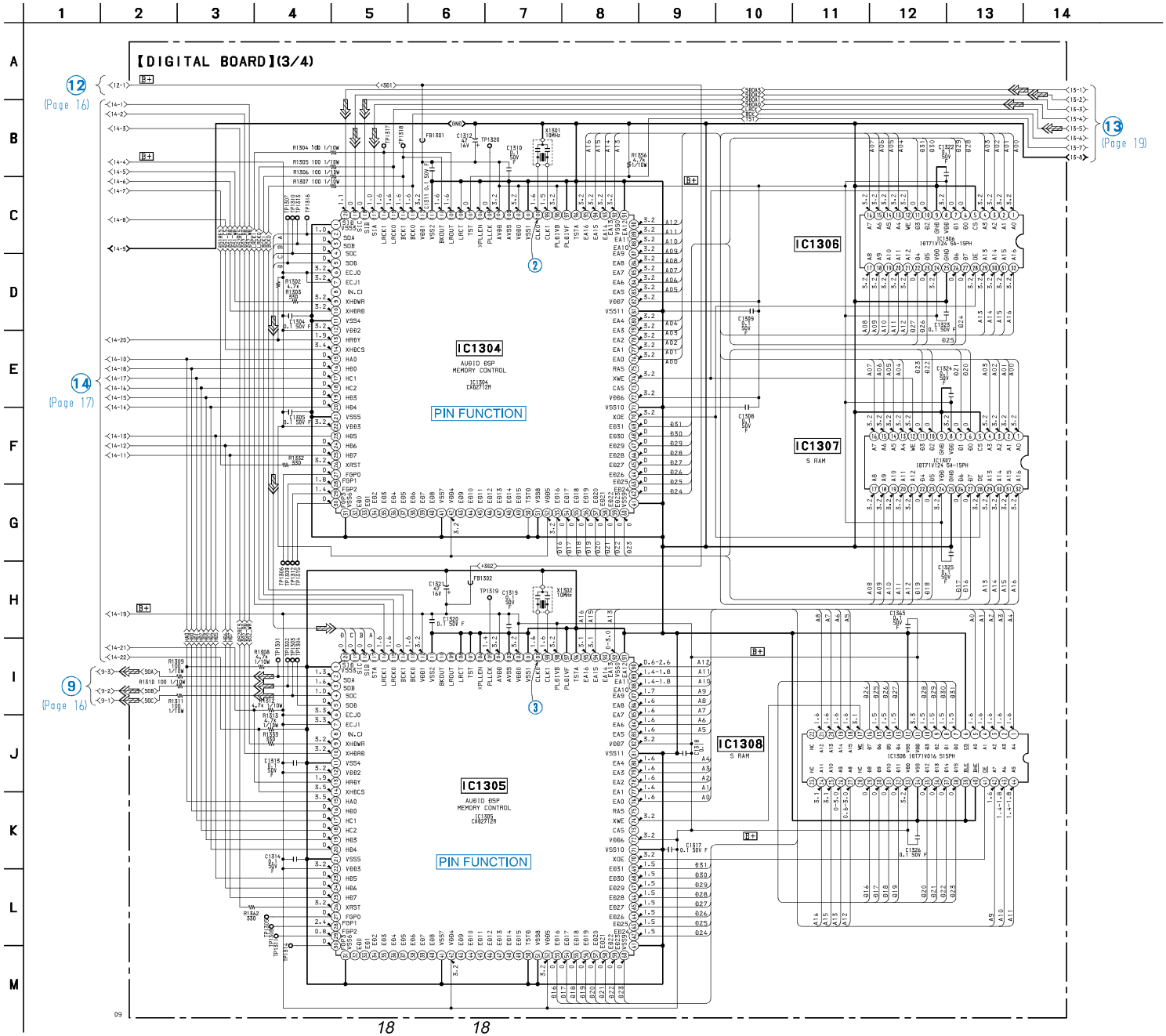
5-4. SCHEMATIC DIAGRAM — DIGITAL (2/4) SECTION —

- **See page 15 for Waveforms.**
- **See page 20, 21 for Printed Wiring Board.**
- **See page 45 for IC Pin Function.**



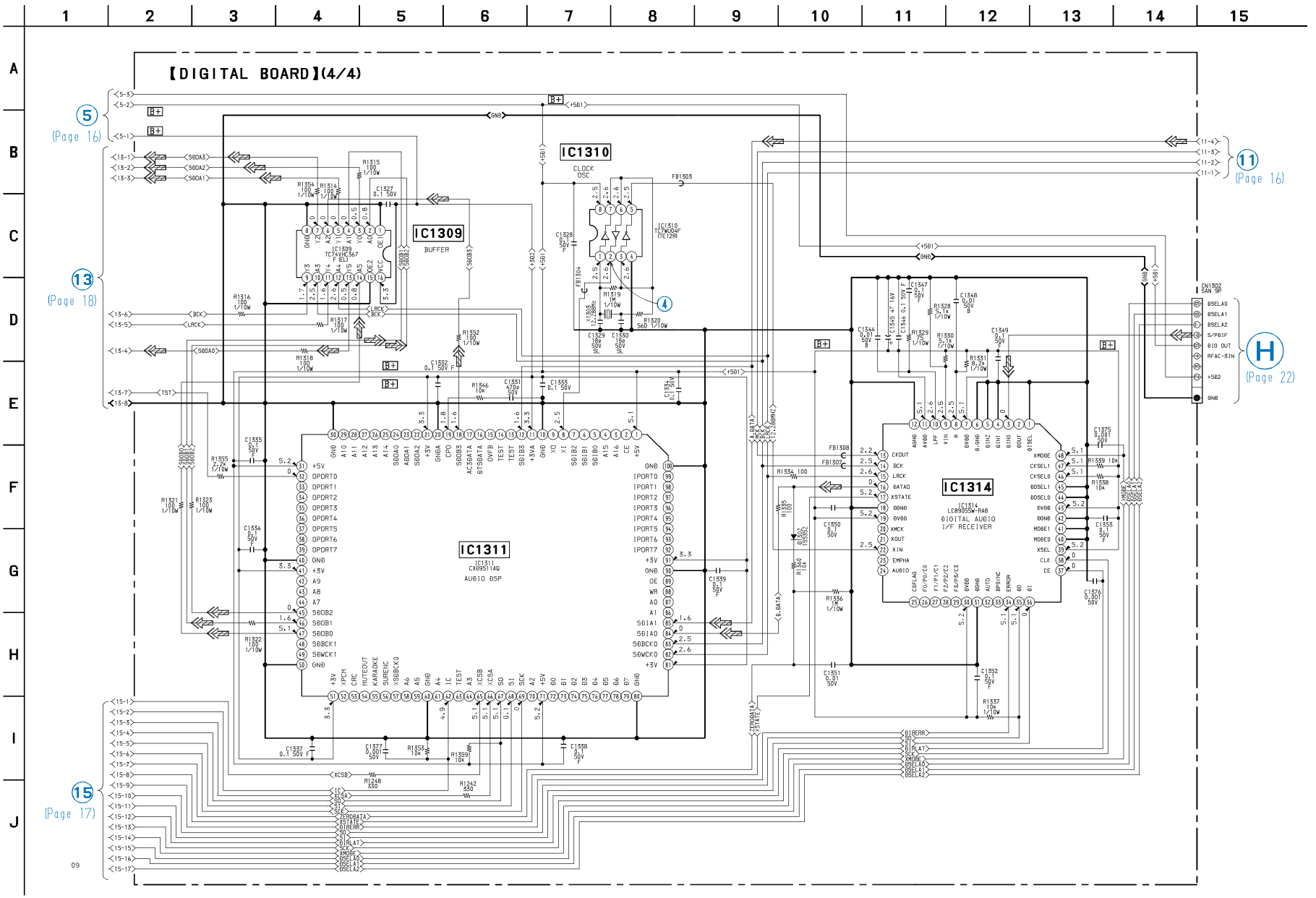
5-5. SCHEMATIC DIAGRAM — DIGITAL (3/4) SECTION —

- **See page 15 for Waveforms.**
- **See page 20, 21 for Printed Wiring Board.**
- **See page 48 for IC Pin Function.**



5-6. SCHEMATIC DIAGRAM — DIGITAL (4/4) SECTION —

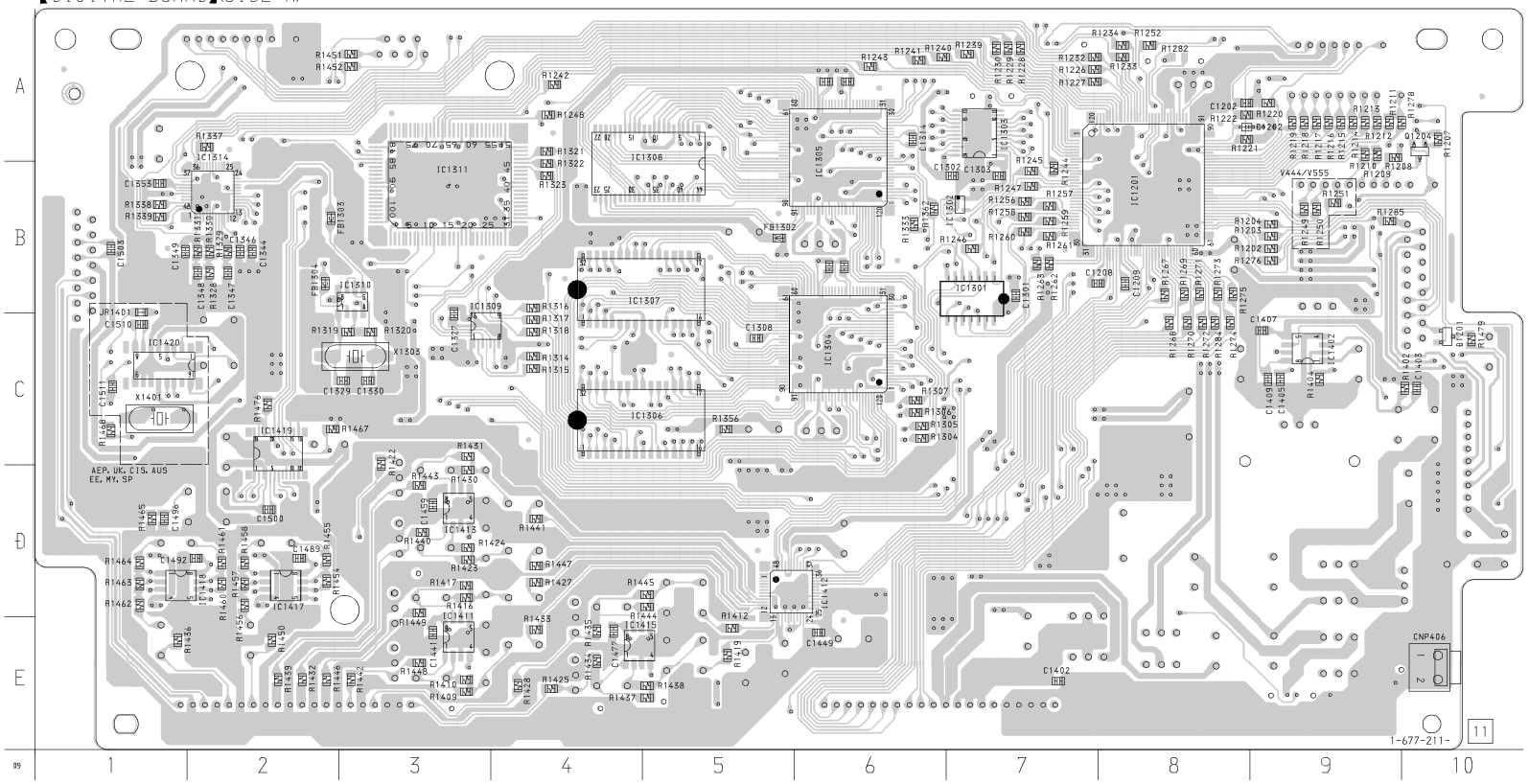
- **See page 20, 21 for Printed Wiring Board.**
- **See page 15 for Waveforms.**



5-7. PRINTED WIRING BOARD — DIGITAL (SIDE A) SECTION —

• See page 15 for Circuit Boards Location.

【DIGITAL BOARD】(SIDE A)



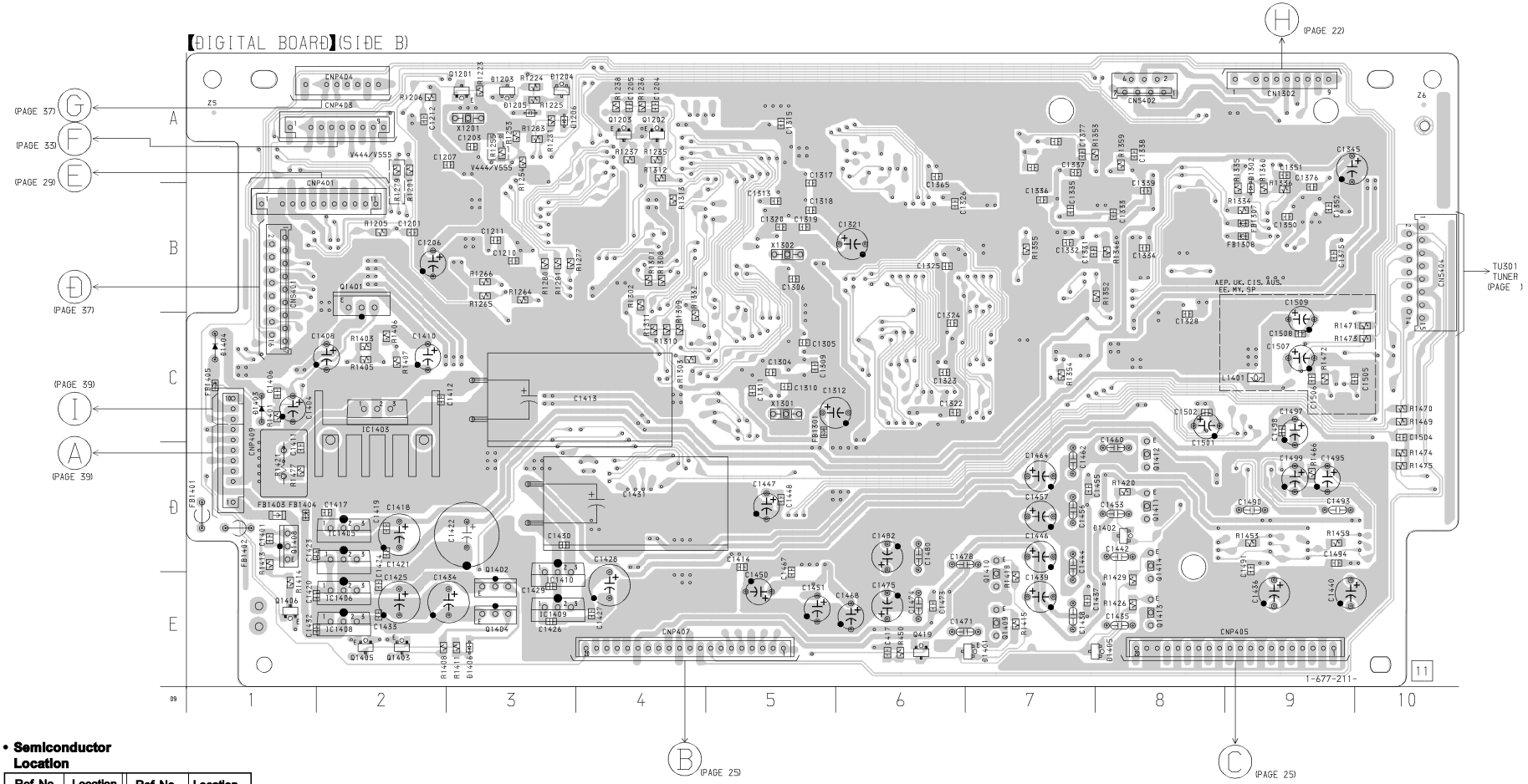
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D1201	C-10	IC1311	B-3
D1202	A-8	IC1314	B-2
IC1201	B-8	IC1402	C-9
IC1301	B-7	IC1411	E-3
IC1302	B-7	IC1412	D-5
IC1303	A-7	IC1413	D-3
IC1304	C-6	IC1415	E-4
IC1305	A-6	IC1417	D-2
IC1306	C-4	IC1418	D-1
IC1307	B-4	IC1419	C-2
IC1308	B-4	IC1420	C-1
IC1309	C-3	Q1204	A-10
IC1310	B-3		

There are few cases that the part isn't mounted in model is printed on diagram.

5-8. PRINTED WIRING BOARD — DIGITAL (SIDE B) SECTION —

• See page 15 for Circuit Boards Location.



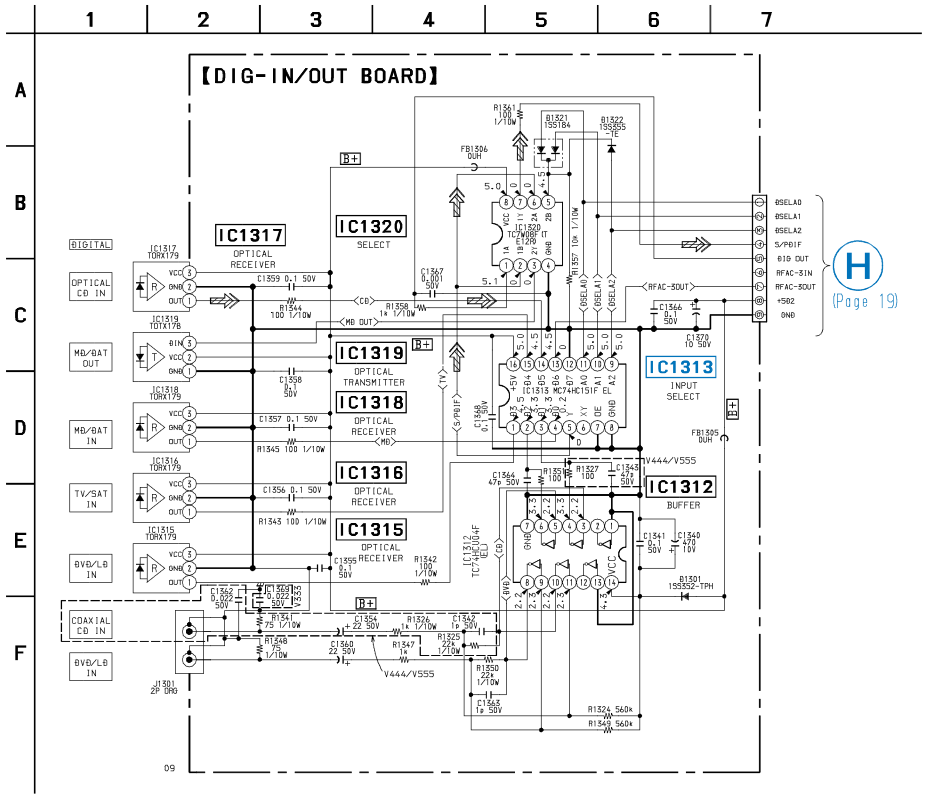
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D1203	A-3	Q419	E-6
D1204	A-3	Q1201	A-3
D1205	A-3	Q1202	A-4
D1302	A-9	Q1203	A-4
D1401	E-7	Q1401	B-2
D1402	D-8	Q1402	E-3
D1403	C-1	Q1403	E-2
D1404	C-1	Q1404	E-3
D1405	E-8	Q1405	E-2
D1406	E-3	Q1406	E-1
IC1403	C-2	Q1408	D-1
IC1405	D-2	Q1409	E-7
IC1406	E-2	Q1410	D-7
IC1407	D-2	Q1411	D-8
IC1408	E-2	Q1412	D-8
IC1409	E-3	Q1413	E-8
IC1410	E-3	Q1414	D-8

There are few cases that the part isn't mounted in model is printed on diagram.

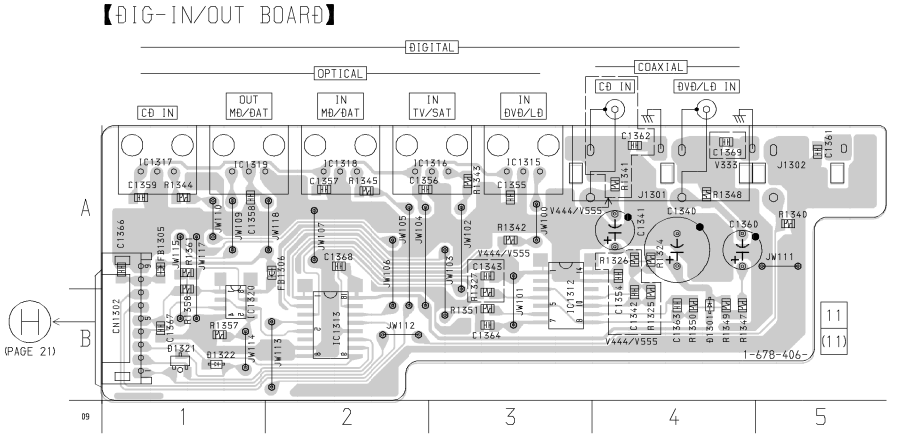
5-9. SCHEMATIC DIAGRAM — DIGITAL IN/OUT SECTION —

• See page 40 for IC Block Diagrams.



5-10. PRINTED WIRING BOARD — DIGITAL IN/OUT SECTION —

• See page 15 for Circuit Boards Location.



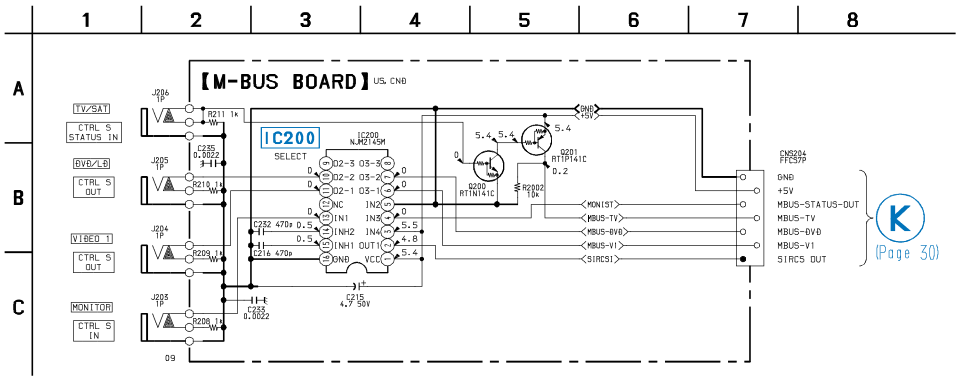
• **Semiconductor Location**

Ref. No.	Location
D1301	B-4
D1321	B-1
D1322	B-1
IC1312	B-3
IC1313	B-2
IC1315	A-3
IC1316	A-2
IC1317	A-1
IC1318	A-2
IC1319	A-1
IC1320	B-1

There are few cases that the part isn't mounted in model is printed on diagram.

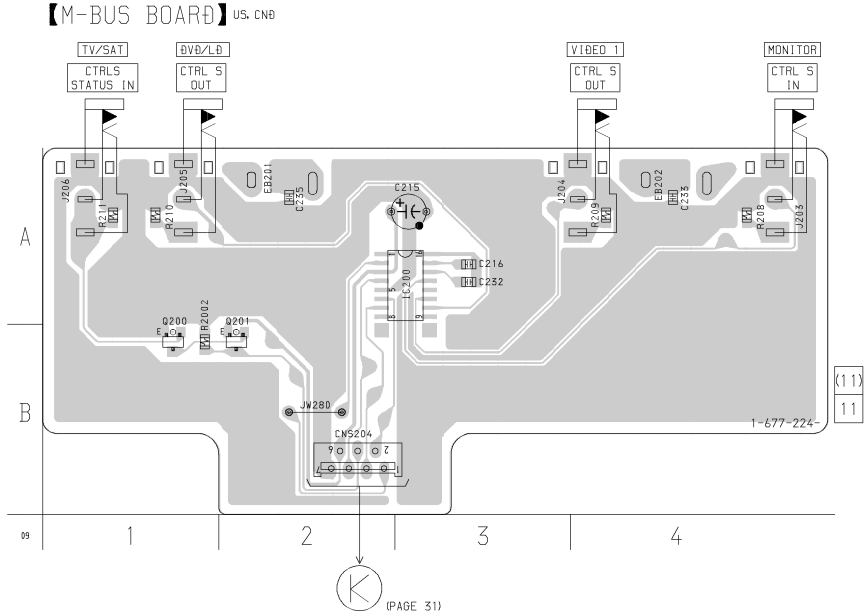
5-11. SCHEMATIC DIAGRAM — M-BUS SECTION —

• See page 40 for IC Block Diagrams.



5-12. PRINTED WIRING BOARD — M-BUS SECTION —

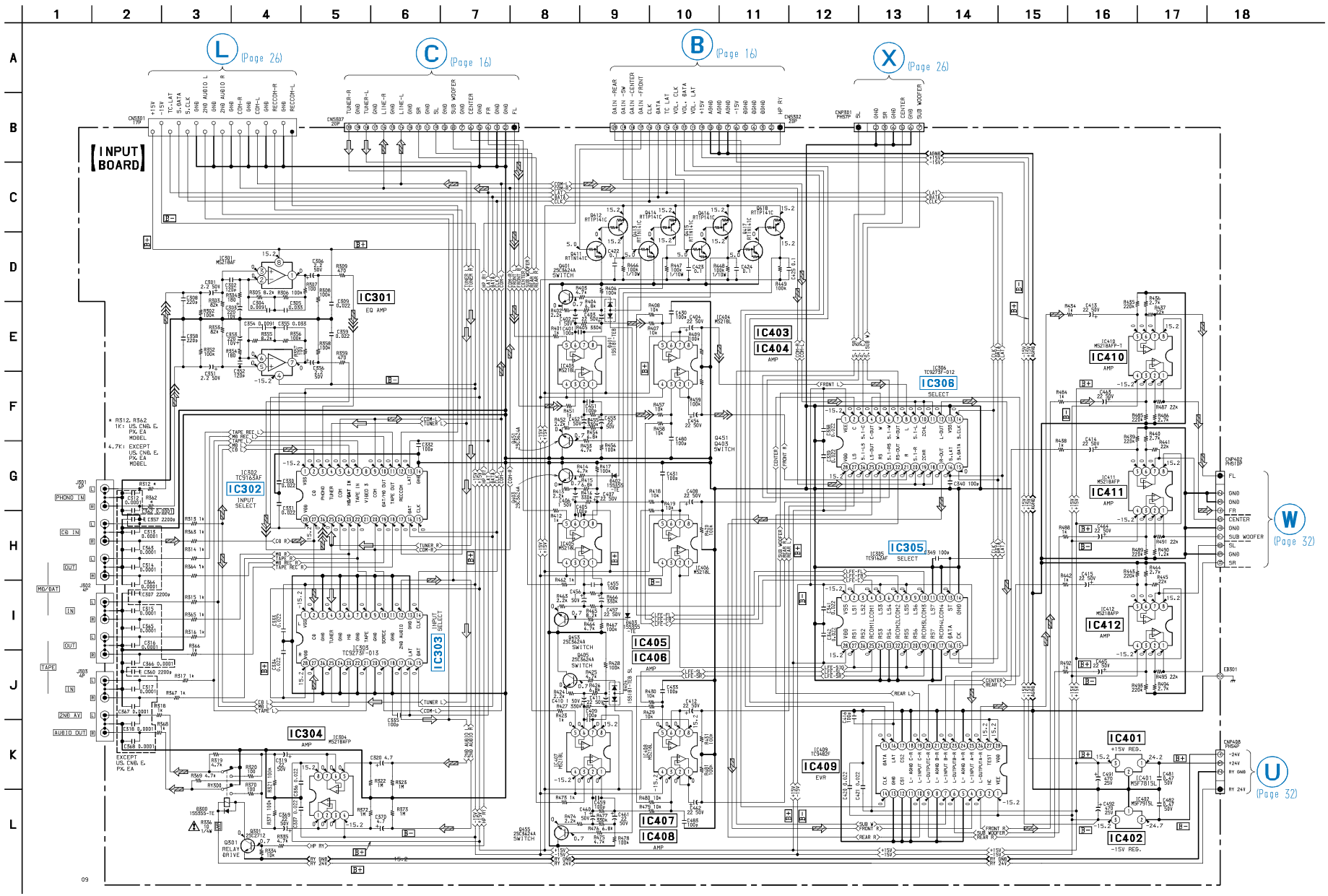
• See page 15 for Circuit Boards Location.



There are few cases that the part isn't mounted in model is printed on diagram.

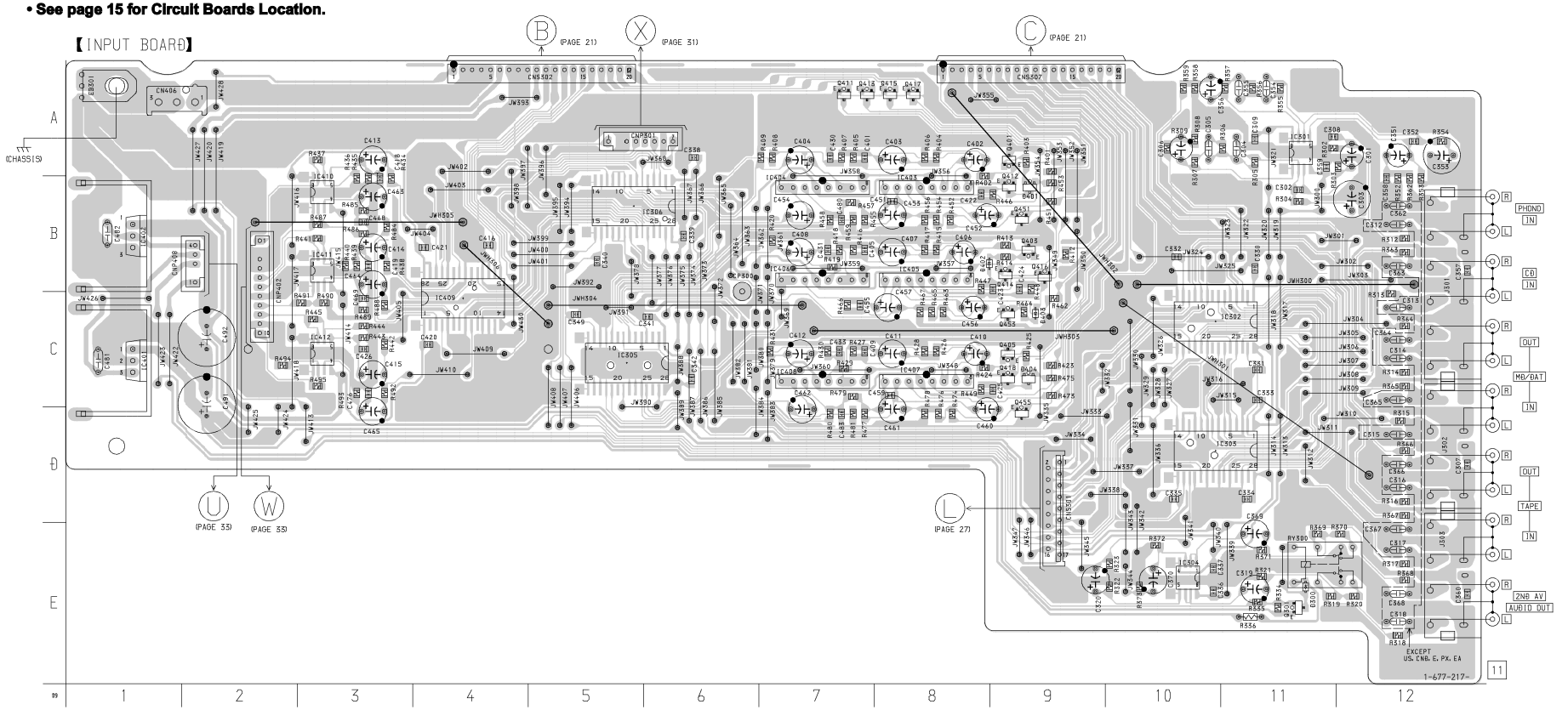
5-13. SCHEMATIC DIAGRAM — INPUT SECTION —

• See page 40, 41, 42 for IC Block Diagrams.



5-14. PRINTED WIRING BOARD — INPUT SECTION —

• See page 15 for Circuit Boards Location.



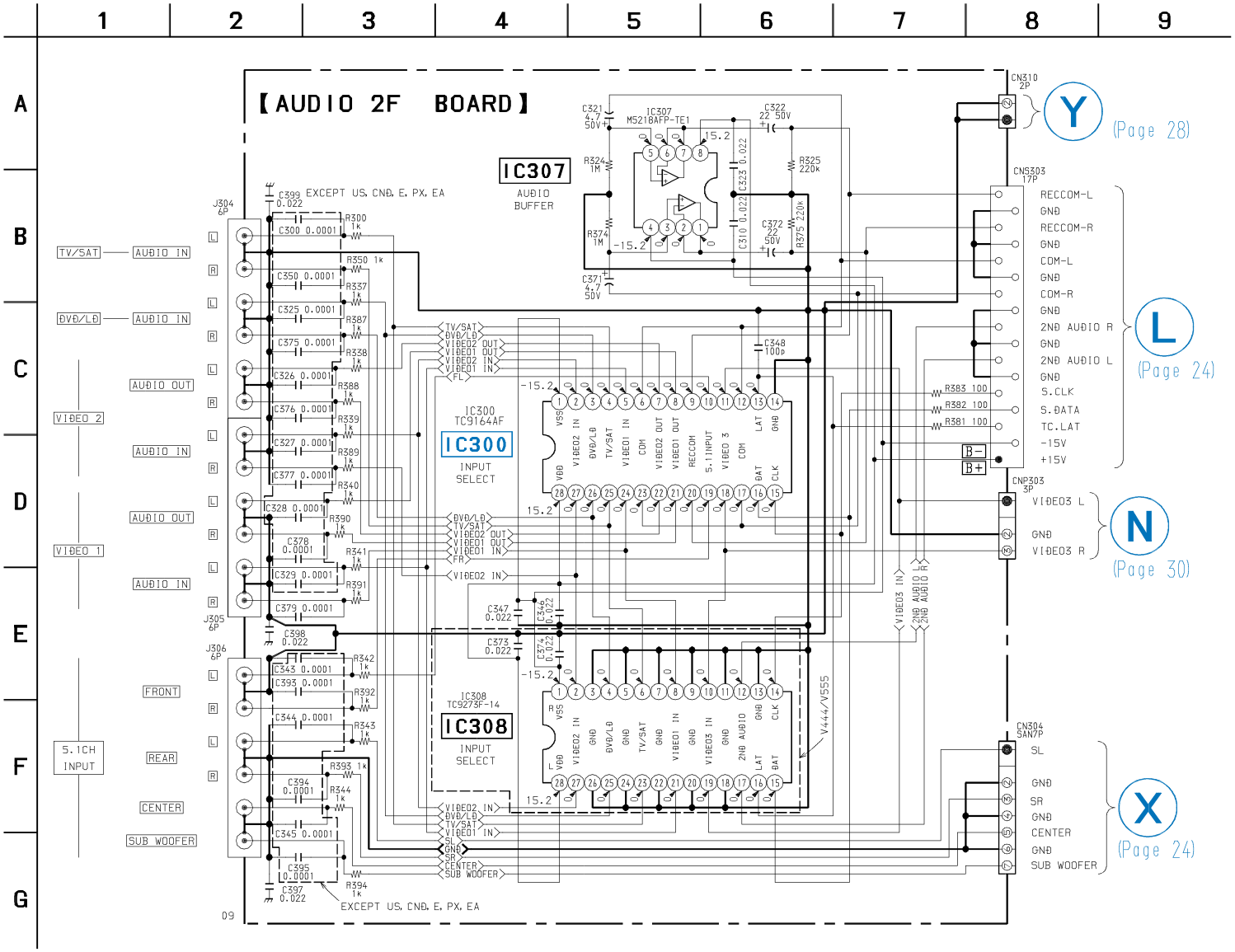
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D300	E-11	IC409	C-4
D401	B-9	IC410	B-3
D402	B-9	IC411	B-3
D403	C-9	IC412	C-3
D404	C-9	Q301	E-11
IC301	A-11	Q401	A-9
IC302	C-11	Q403	B-9
IC303	D-11	Q405	C-9
IC304	E-10	Q411	A-7
IC305	C-5	Q412	B-9
IC306	B-5	Q413	A-7
IC401	C-1	Q414	B-9
IC402	B-1	Q415	A-8
IC403	B-8	Q416	B-9
IC404	B-7	Q417	A-8
IC405	B-8	Q418	C-9
IC406	B-7	Q451	B-9
IC407	C-8	Q453	C-9
IC408	C-7	Q455	D-9

There are few cases that the part isn't mounted in model is printed on diagram.

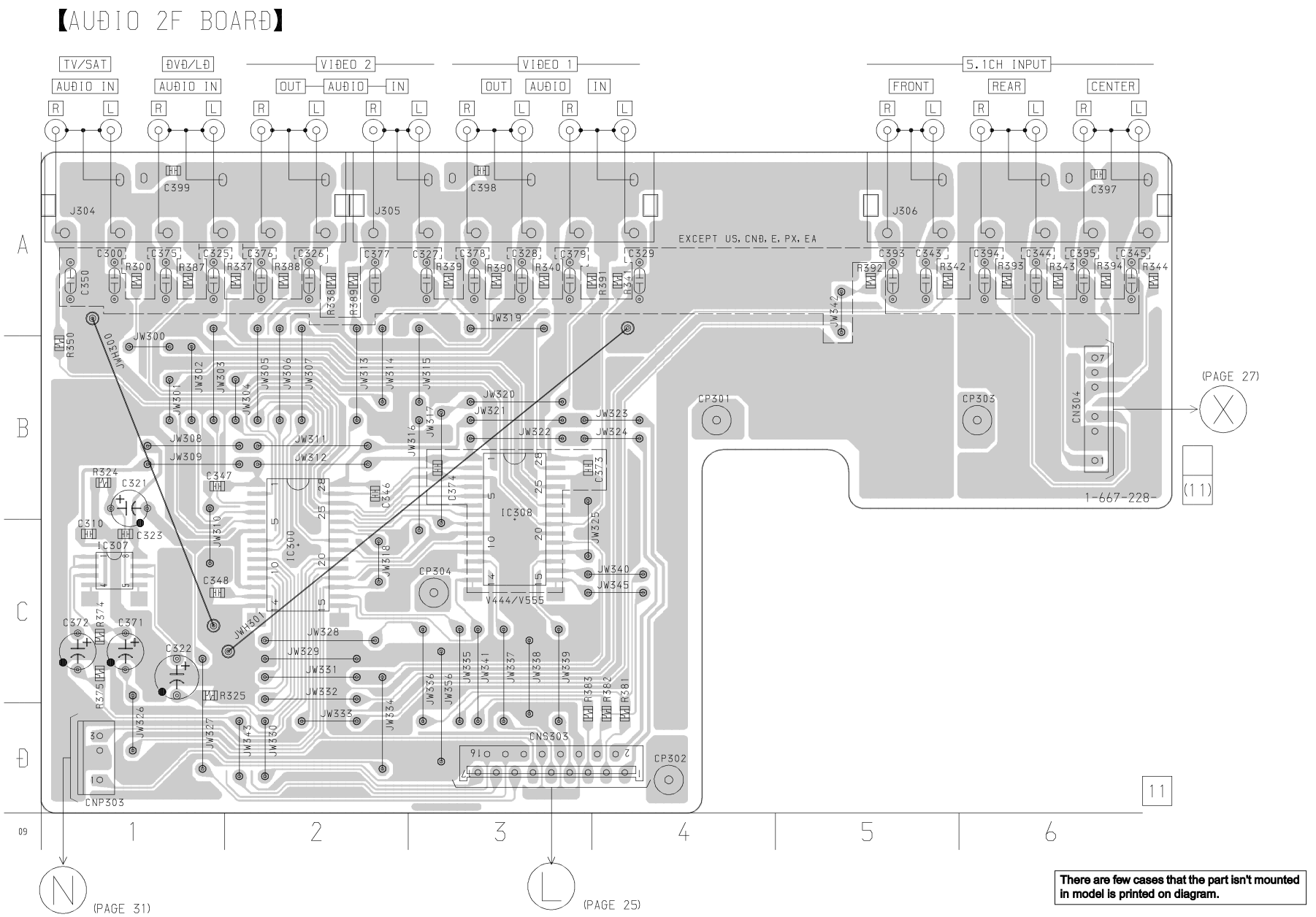
5-15. SCHEMATIC DIAGRAM — AUDIO 2F SECTION —

• See page 42 for IC Block Diagrams.



5-16. PRINTED WIRING BOARD — AUDIO 2F SECTION —

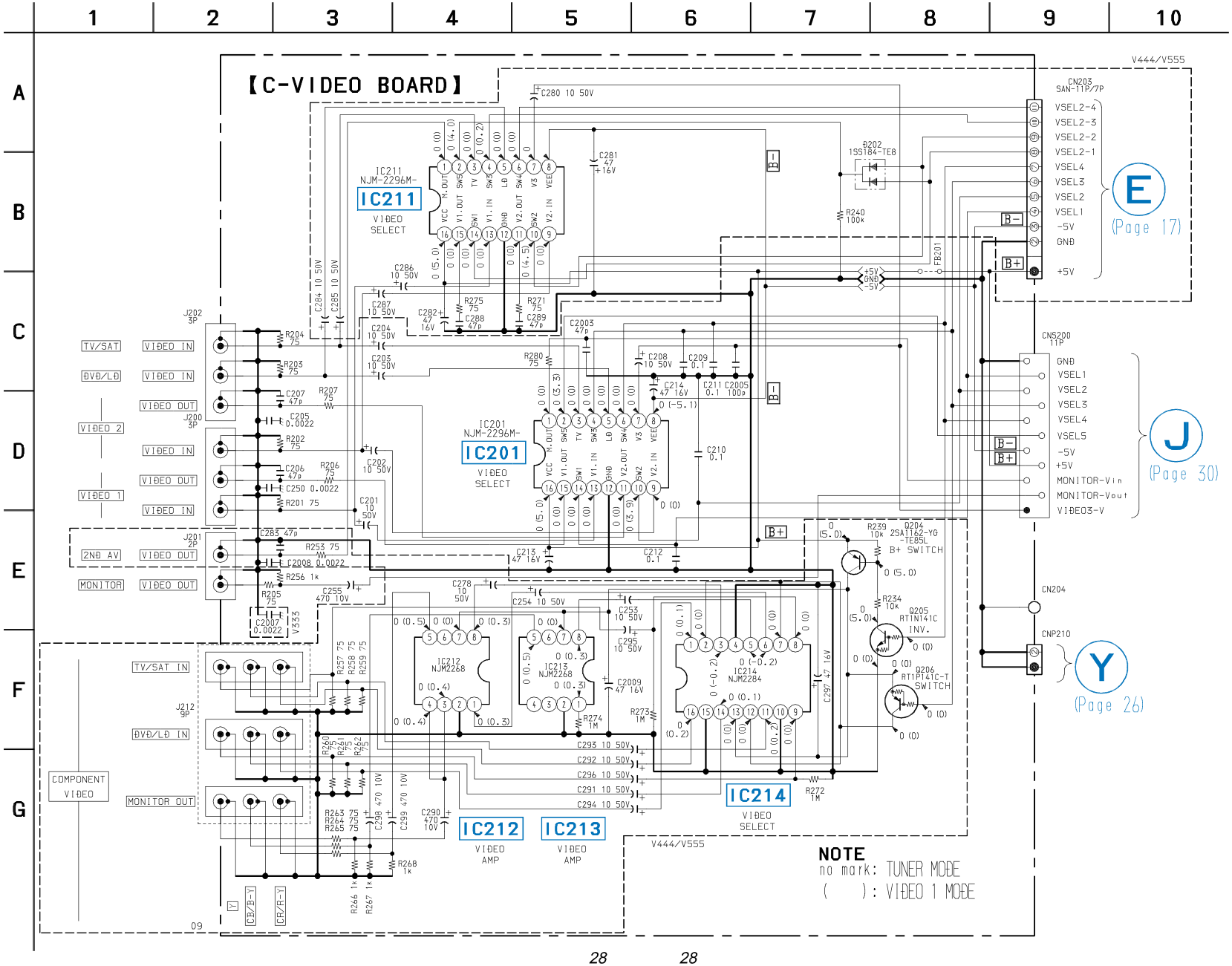
• See page 15 for Circuit Boards Location.



There are few cases that the part isn't mounted in model is printed on diagram.

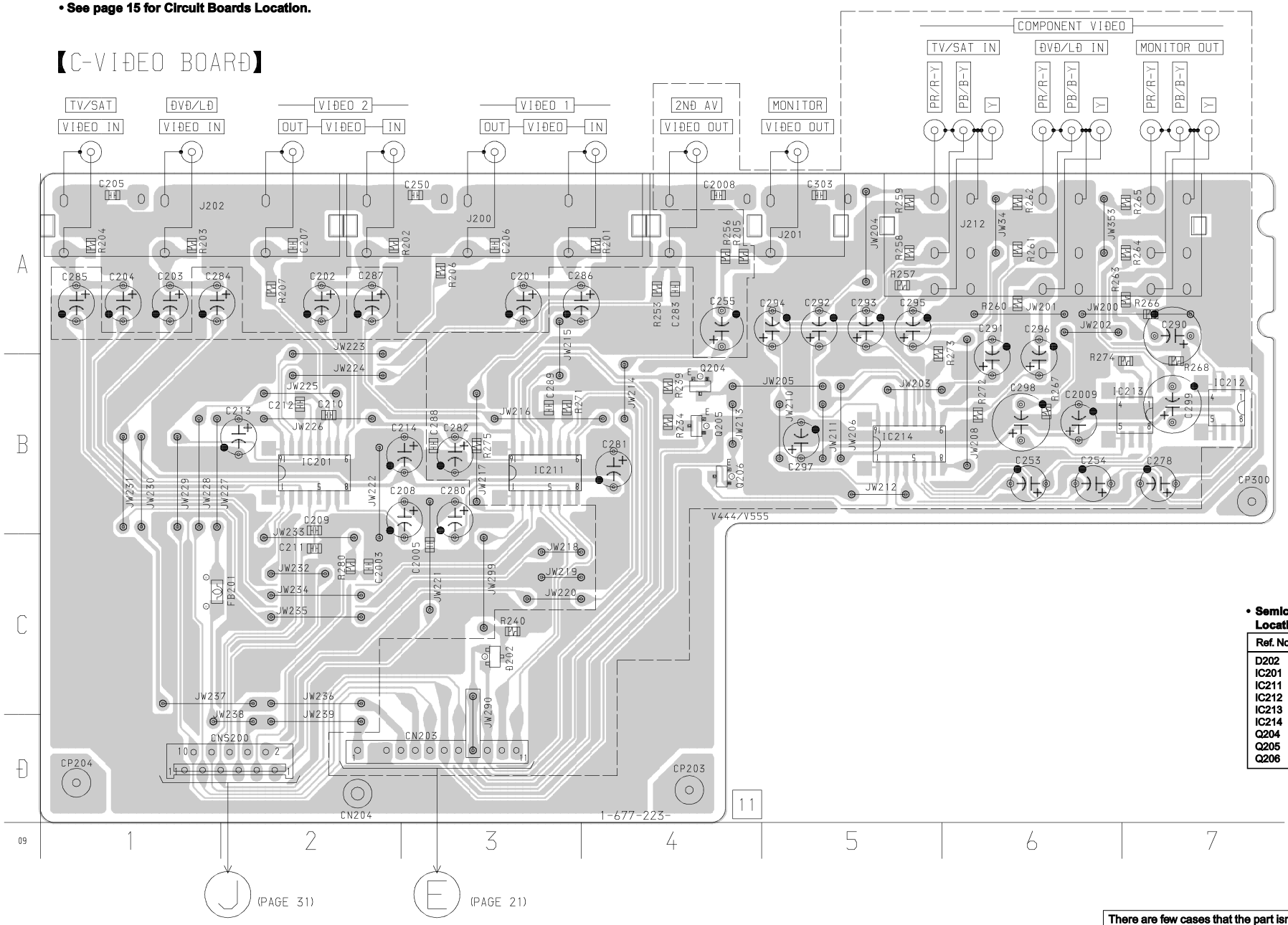
5-17. SCHEMATIC DIAGRAM — C-VIDEO SECTION —

• See page 40, 41 for IC Block Diagrams.



5-18. PRINTED WIRING BOARD — C-VIDEO SECTION —

• See page 15 for Circuit Boards Location.



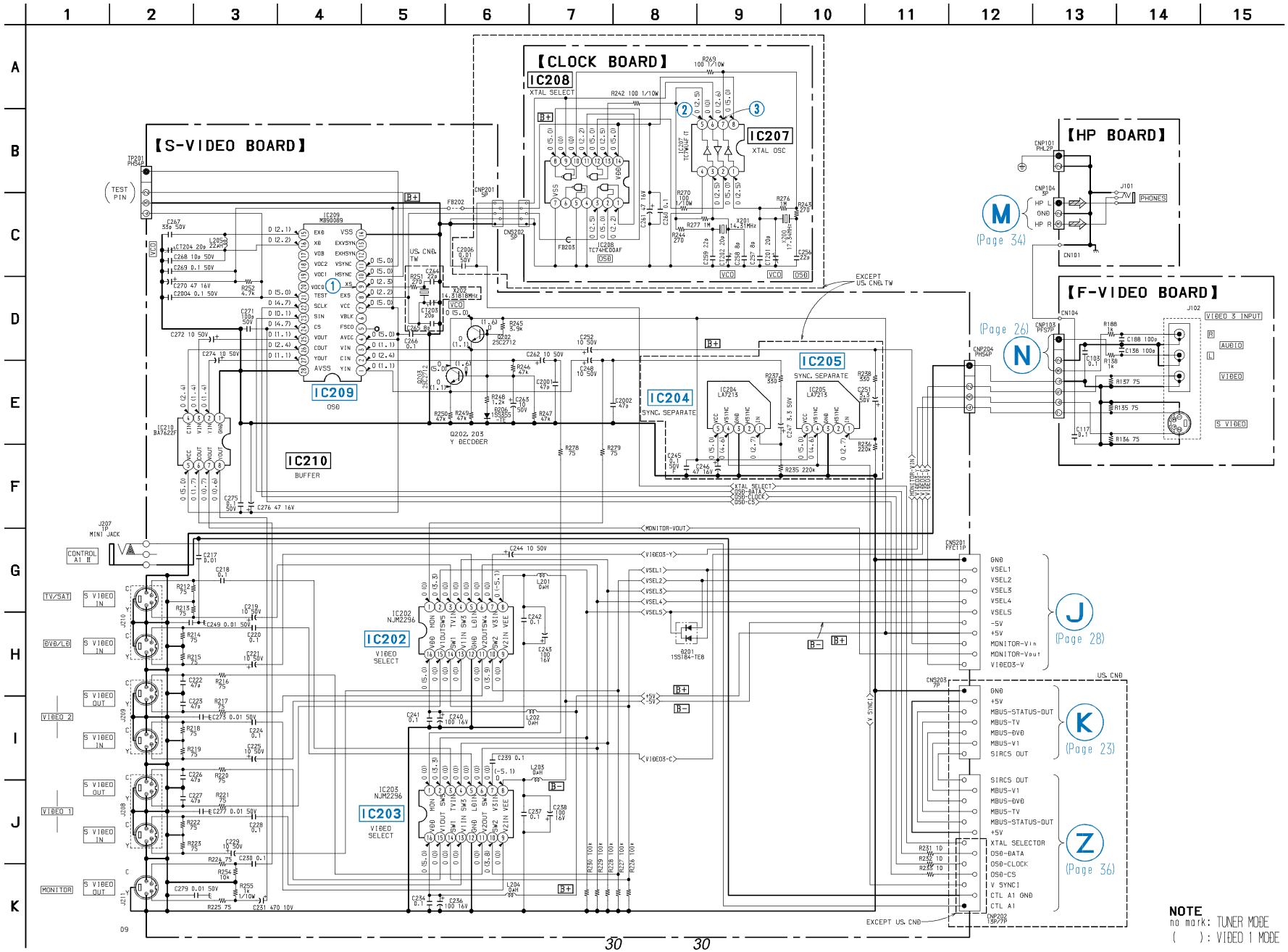
• Semiconductor Location

Ref. No.	Location
D202	C-3
IC201	B-2
IC211	B-3
IC212	B-7
IC213	B-7
IC214	B-5
Q204	B-4
Q205	B-4
Q206	B-4

There are few cases that the part isn't mounted in model is printed on diagram.

5-19. SCHEMATIC DIAGRAM — S-VIDEO SECTION —

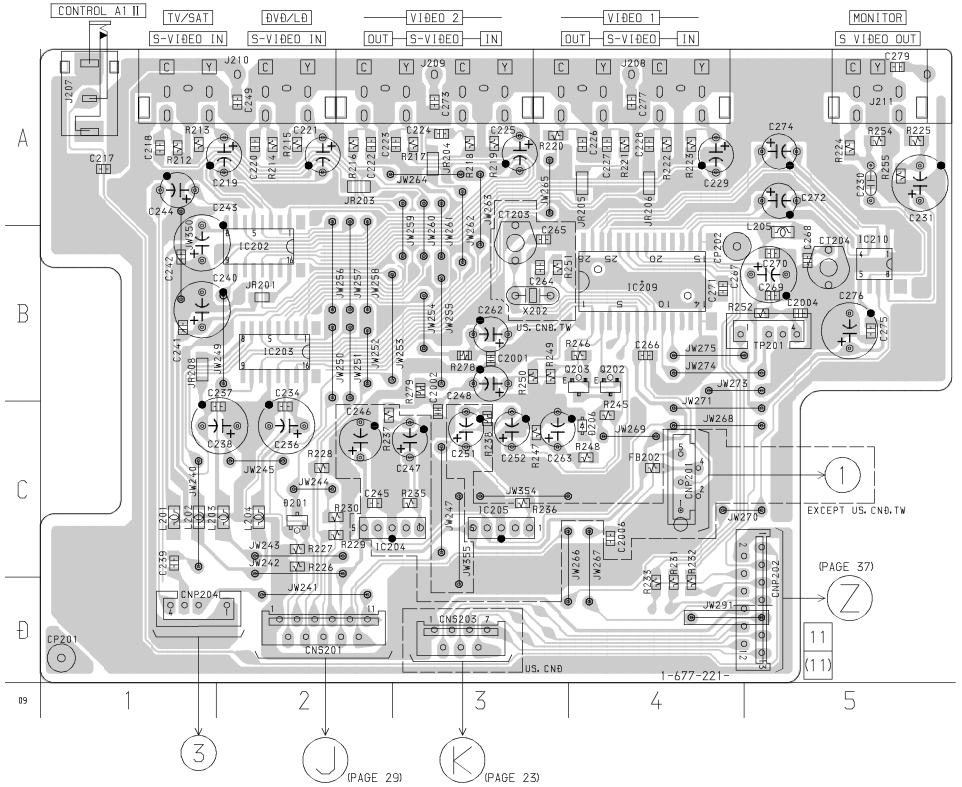
- See page 15 for Waveforms.
- See page 40, 41 for IC Block Diagrams.



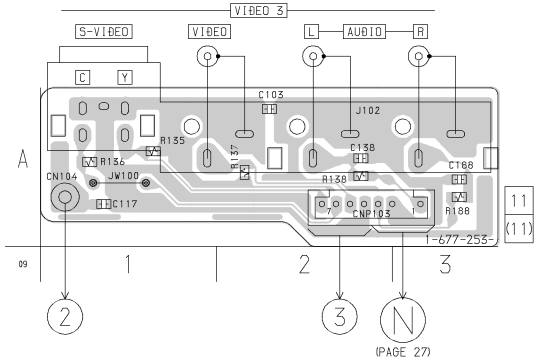
5-20. PRINTED WIRING BOARD — S-VIDEO SECTION —

• See page 15 for Circuit Boards Location.

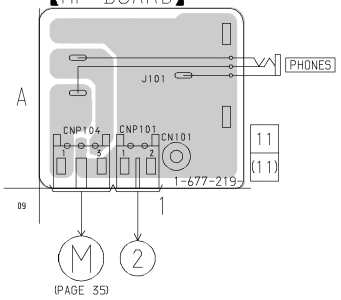
【S-VIÐEO BOARÐ】



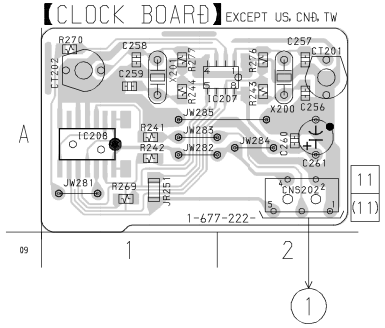
【F-VIÐEO BOARÐ】



【HP BOARÐ】



【CLOCK BOARÐ】EXCEPT US, CND, TW



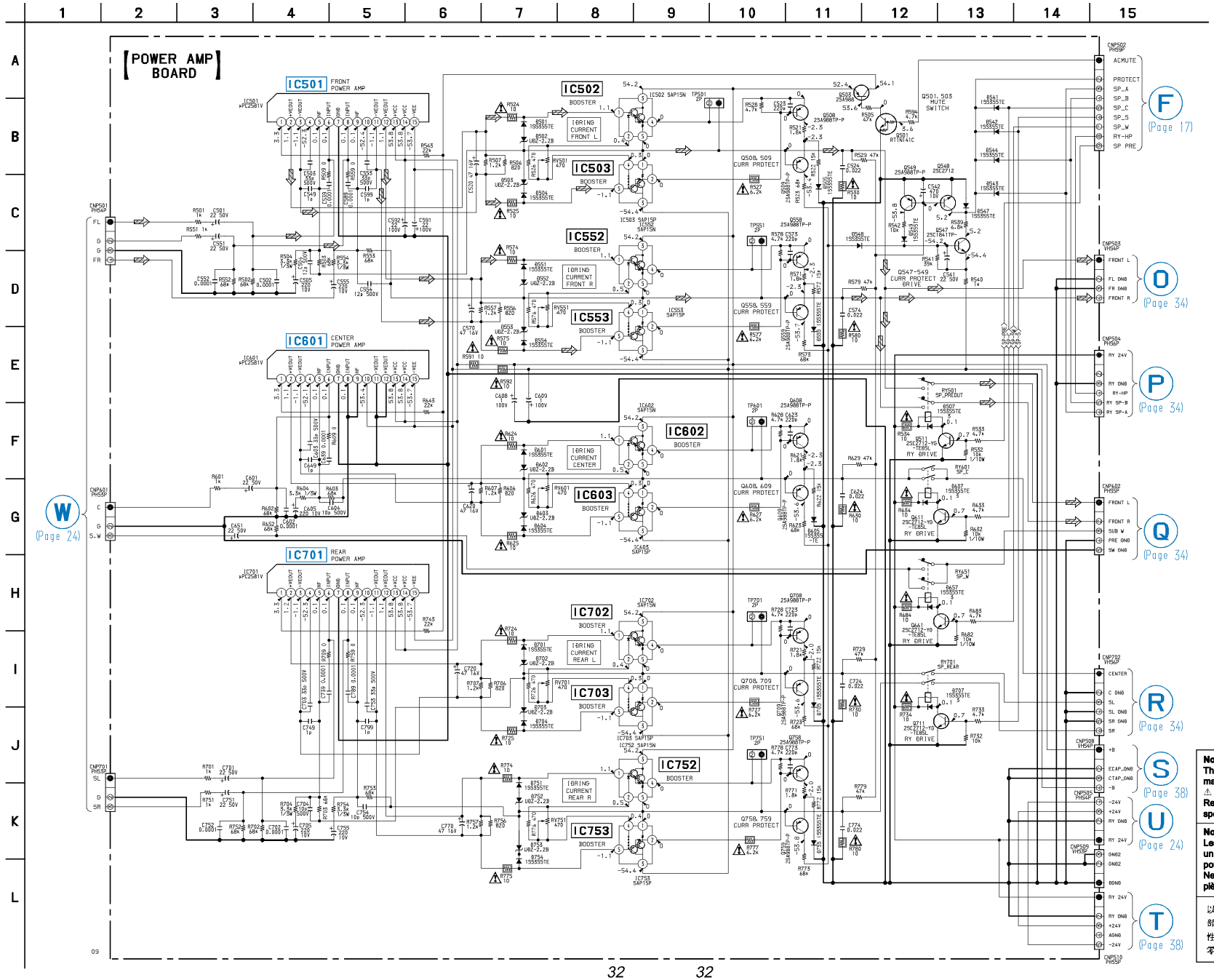
• **Semiconductor Location**

Ref. No.	Location
D201	C-2
D206	C-4
IC202	B-2
IC203	B-2
IC204	C-2
IC205	C-3
IC209	B-4
IC210	B-5
Q202	B-4
Q203	B-4

There are few cases that the part isn't mounted in model is printed on diagram.

5-21. SCHEMATIC DIAGRAM — POWER AMP SECTION —

• See page 40 for IC Block Diagrams.



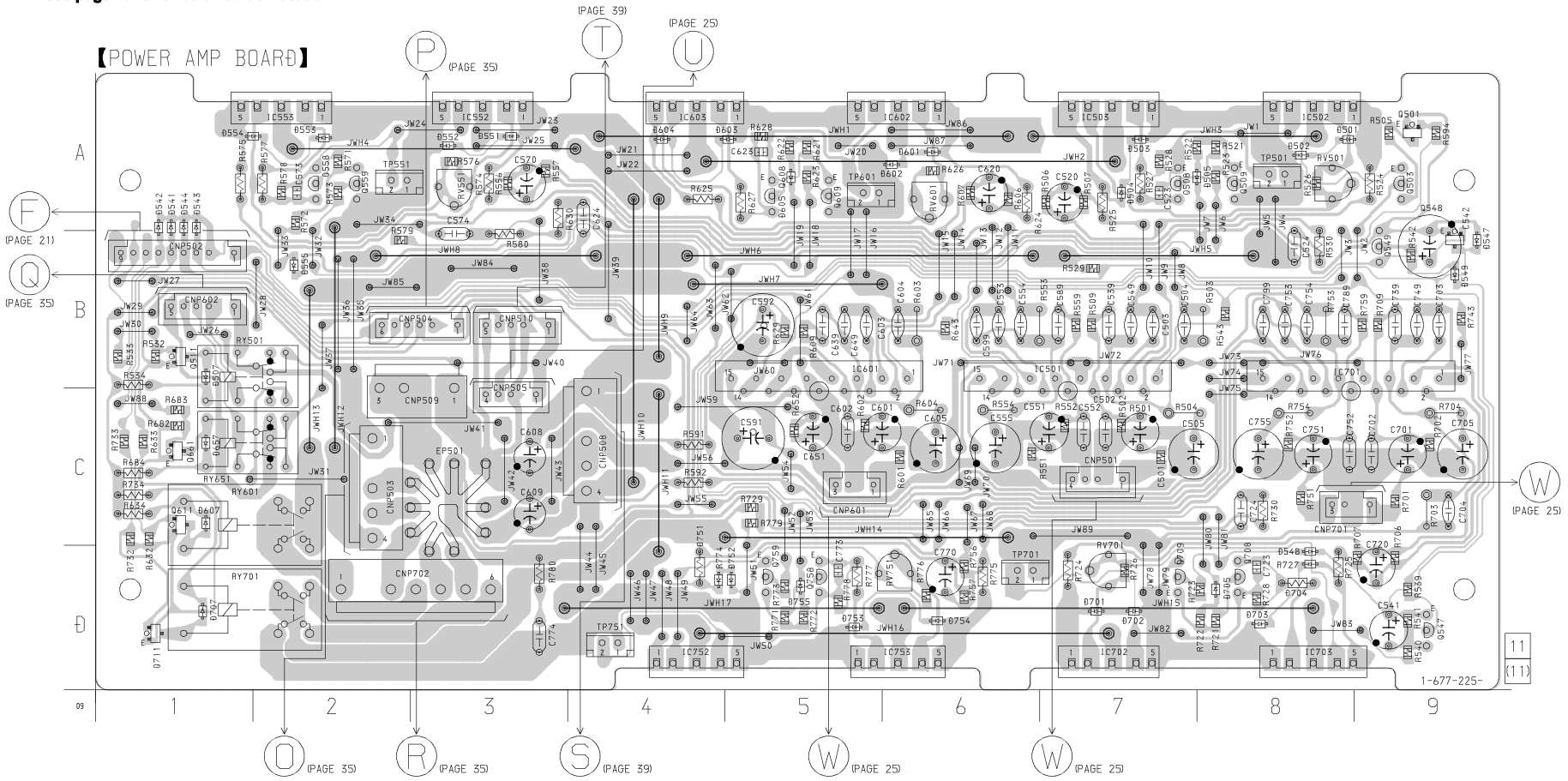
Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

5-22. PRINTED WIRING BOARD — POWER AMP SECTION —

• See page 15 for Circuit Boards Location.

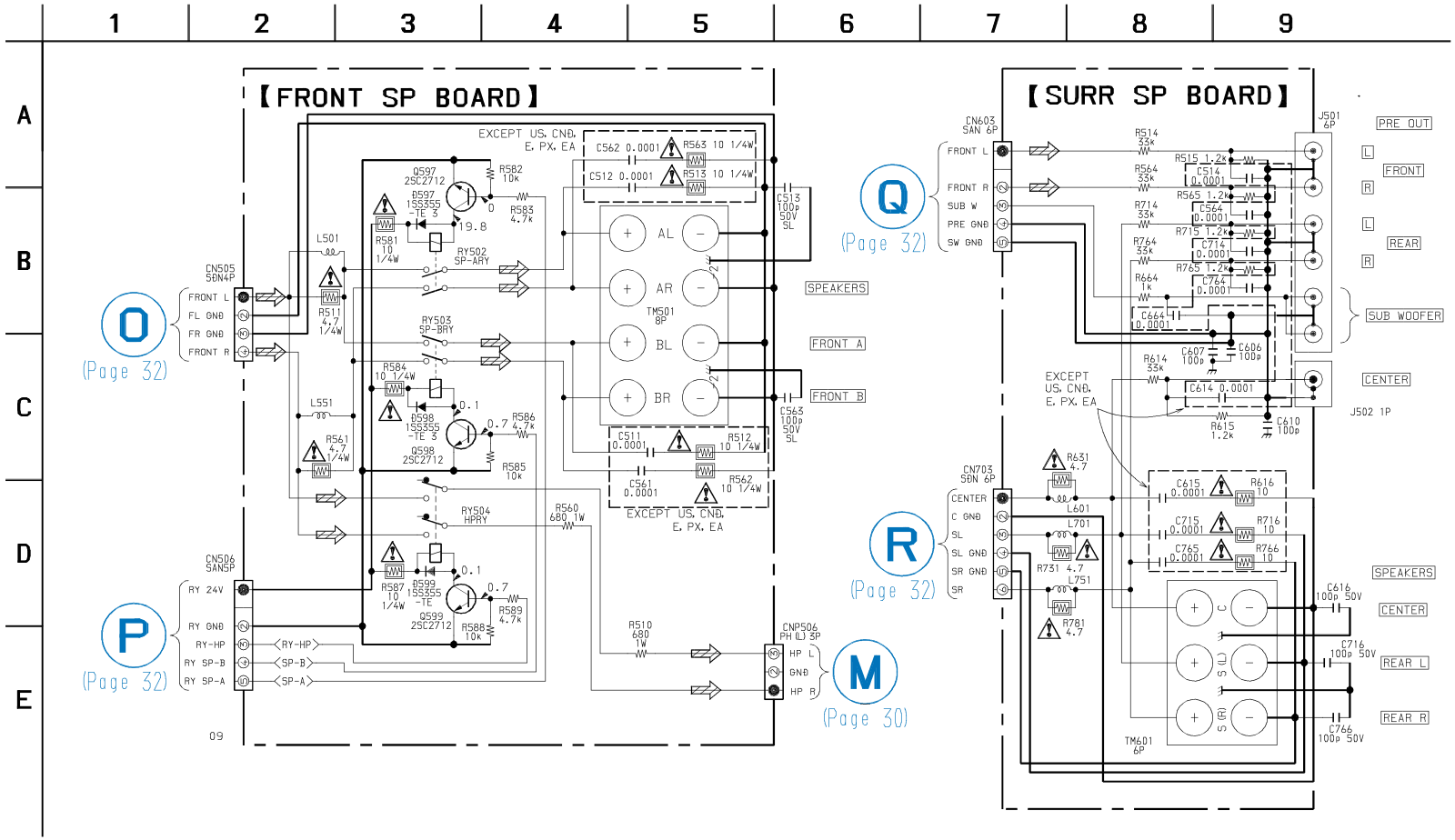


• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D501	A-8	D554	A-2	D752	D-5	IC753	D-6	Q709	D-7
D502	A-8	D555	B-2	D753	D-5	Q501	A-9	Q711	D-1
D503	A-7	D601	A-6	D754	D-6	Q503	A-9	Q758	D-5
D504	A-7	D602	A-6	D755	D-5	Q508	A-7	Q759	D-5
D505	A-8	D603	A-5	IC501	A-7	Q509	A-8		
D507	B-1	D604	A-4	IC502	D-8	Q511	B-1		
D541	A-1	D605	A-5	IC503	A-7	Q547	D-9		
D542	A-1	D607	C-1	IC552	A-3	Q548	B-9		
D543	A-1	D657	C-1	IC553	A-2	Q549	B-9		
D544	A-1	D701	D-7	IC601	B-5	Q558	A-2		
D547	B-9	D702	D-7	IC602	A-6	Q559	A-2		
D548	D-8	D703	D-8	IC603	A-4	Q608	A-5		
D549	B-9	D704	D-8	IC701	B-8	Q609	A-5		
D551	A-3	D705	D-8	IC702	D-7	Q611	C-1		
D552	A-3	D707	D-1	IC703	D-8	Q661	C-1		
D553	A-2	D751	D-5	IC752	D-4	Q708	D-8		

There are few cases that the part isn't mounted in model is printed on diagram.

5-23. SCHEMATIC DIAGRAM — FRONT SP SECTION —

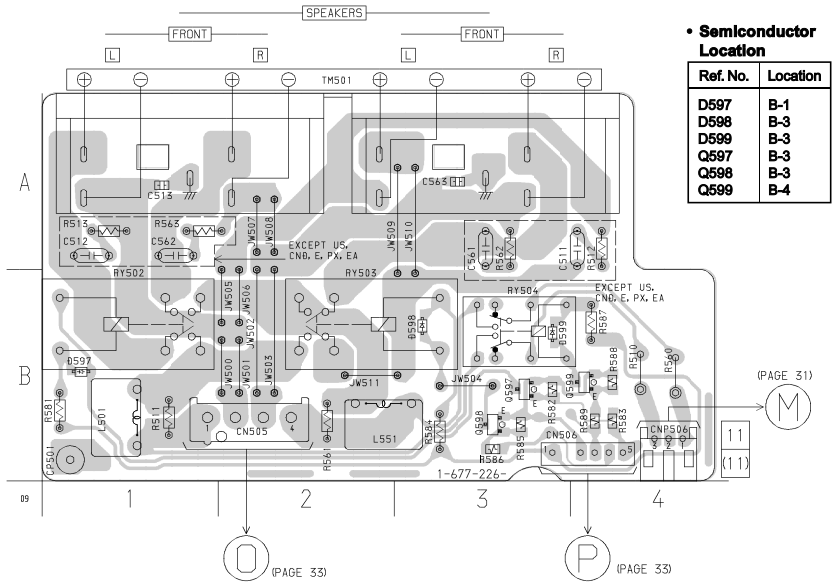


Note:	Note:	
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

5-24. PRINTED WIRING BOARD — FRONT SP SECTION —

• See page 15 for Circuit Boards Location.

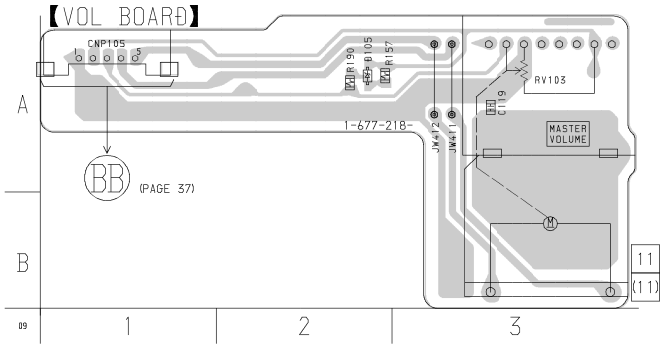
【FRONT SP BOARD】



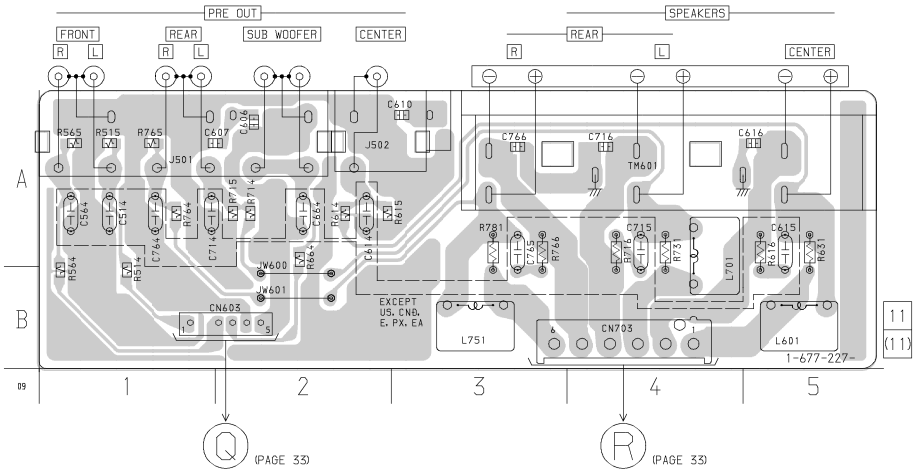
• Semiconductor Location

Ref. No.	Location
D597	B-1
D598	B-3
D599	B-3
Q597	B-3
Q598	B-3
Q599	B-4

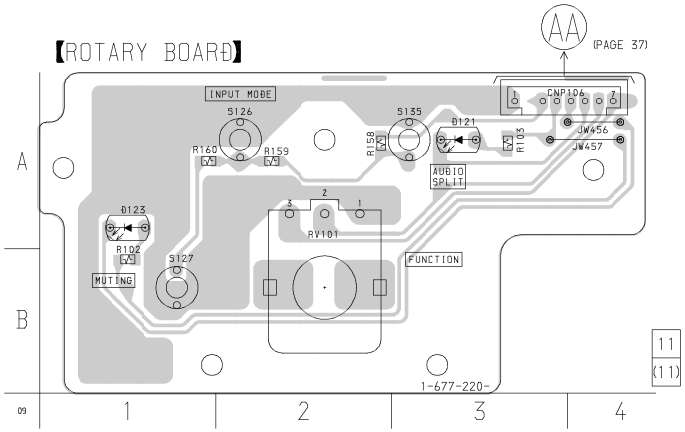
【VOL BOARD】



【SURR SP BOARD】



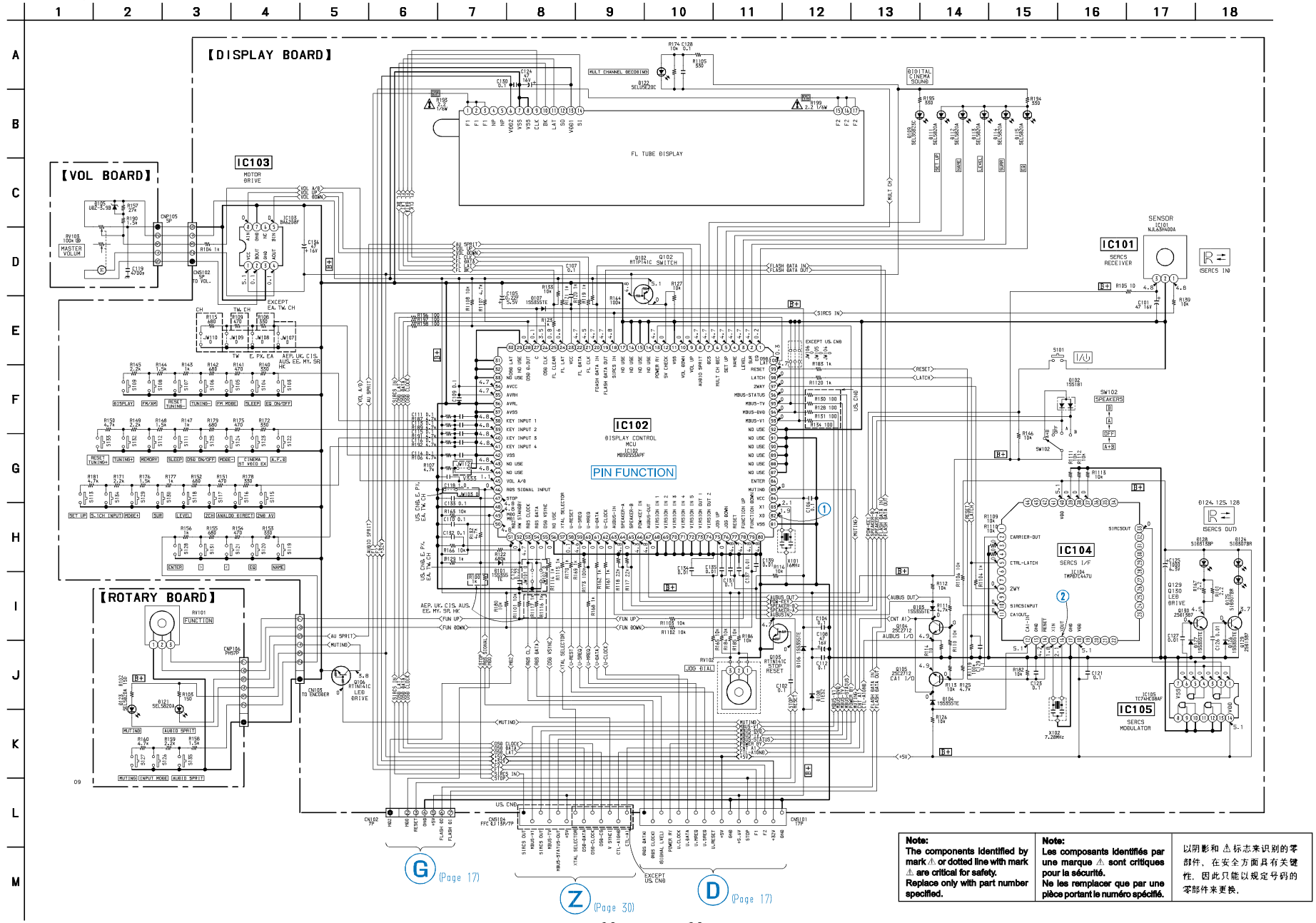
【ROTARY BOARD】



There are few cases that the part isn't mounted in model is printed on diagram.

5-25. SCHEMATIC DIAGRAM — DISPLAY SECTION —

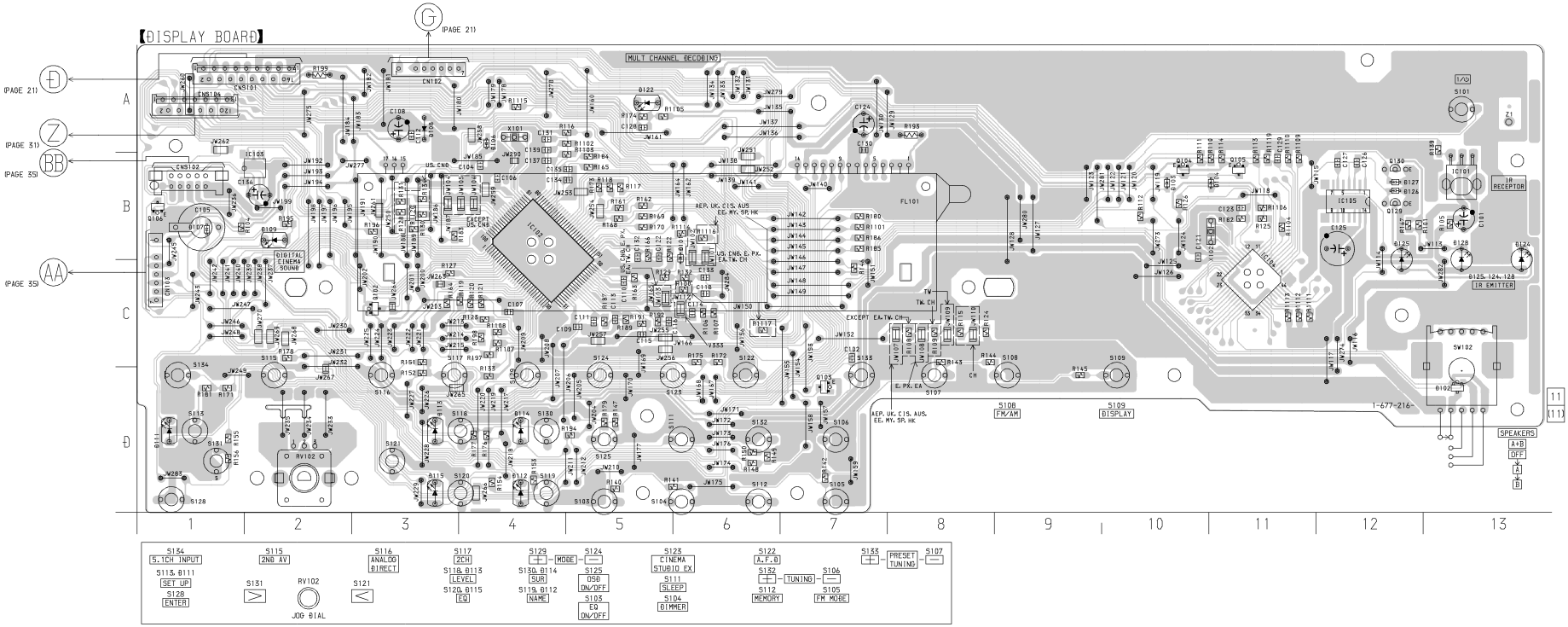
- **See page 15 for Waveforms.**
- **See page 35 for VOL and ROARY Printed Wiring Board.**
- **See page 43 for IC Pin Function.**



Note:	Note:	
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

5-26. PRINTED WIRING BOARD — DISPLAY SECTION —

• See page 15 for Circuit Boards Location.

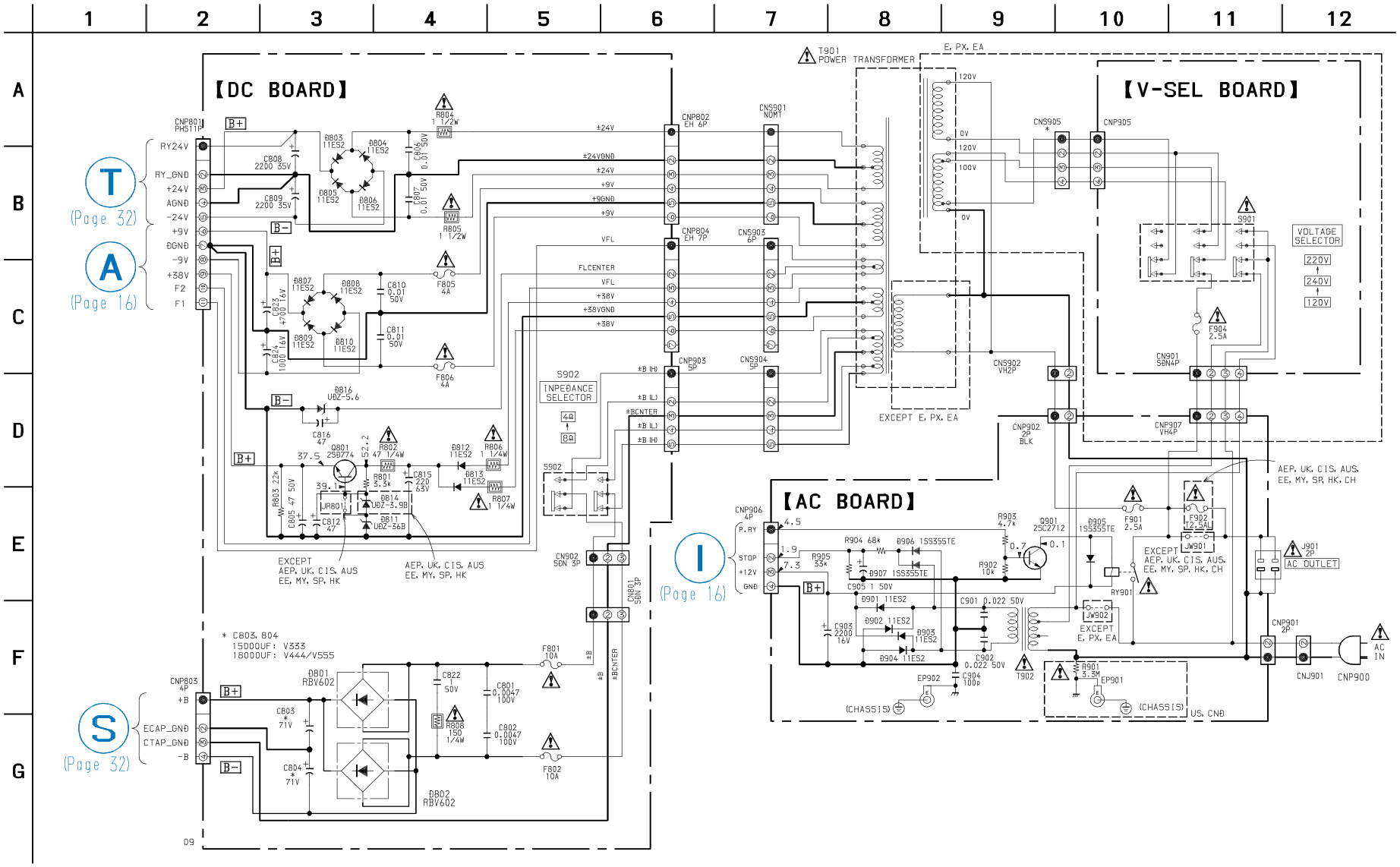


• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D101	C-6	D126	B-12
D102	D-13	D127	B-12
D103	B-10	D128	B-13
D104	B-10	IC101	B-13
D106	A-4	IC102	B-4
D107	B-1	IC103	B-2
D108	A-3	IC104	C-11
D109	B-2	IC105	B-12
D111	D-1	Q102	C-3
D112	D-4	Q103	D-7
D113	D-3	Q104	B-10
D114	D-4	Q105	B-11
D115	D-3	Q106	B-1
D122	A-5	Q129	B-12
D124	B-13	Q130	B-12
D125	B-12		

There are few cases that the part isn't mounted in model is printed on diagram.

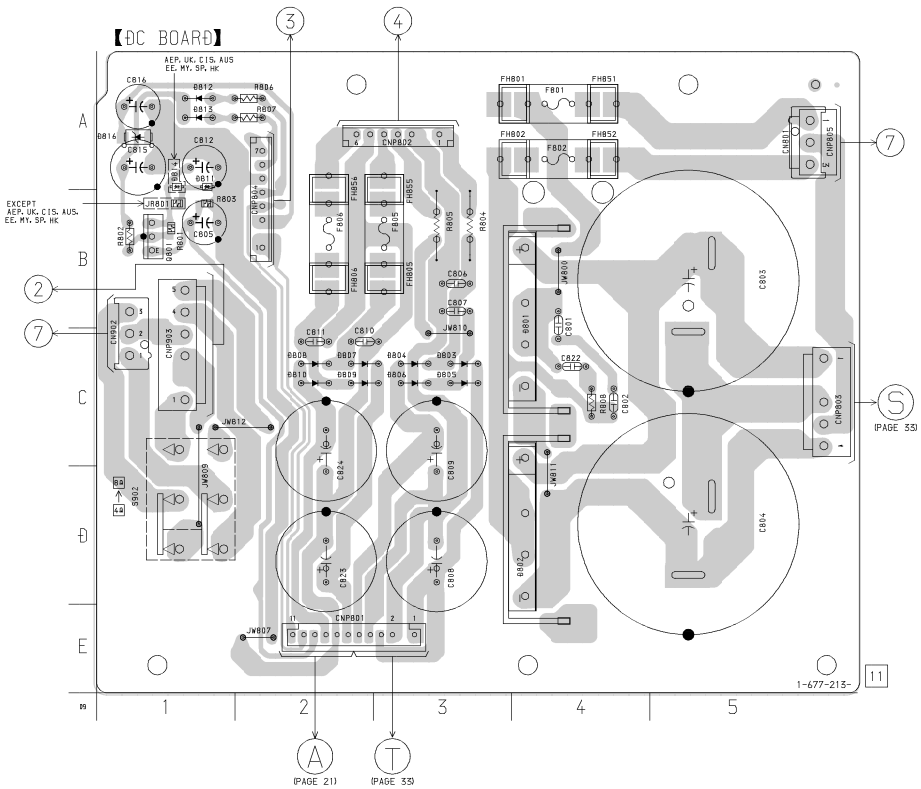
5-27. SCHEMATIC DIAGRAM — DC POWER SECTION —



Note:	Note:	
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

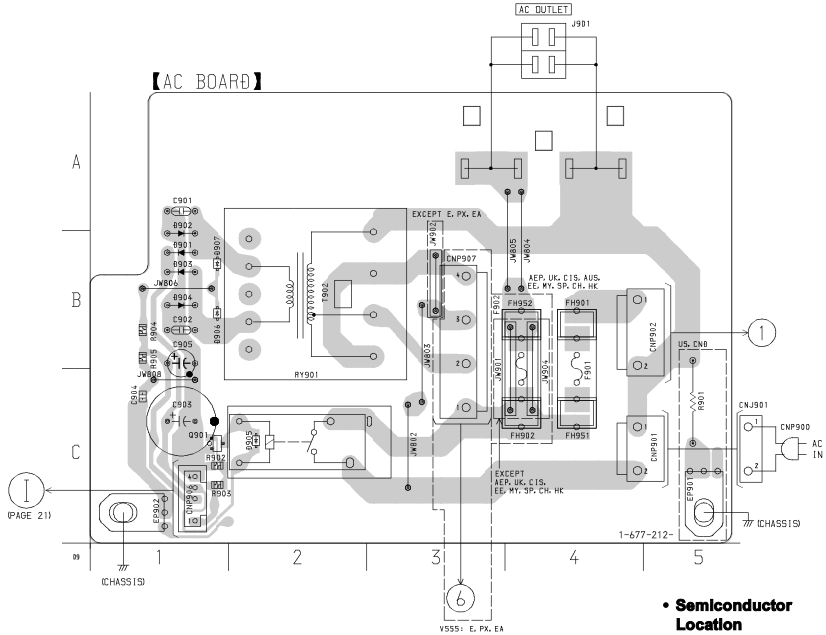
5-28. PRINTED WIRING BOARD — DC POWER SECTION —

• See page 15 for Circuit Boards Location.



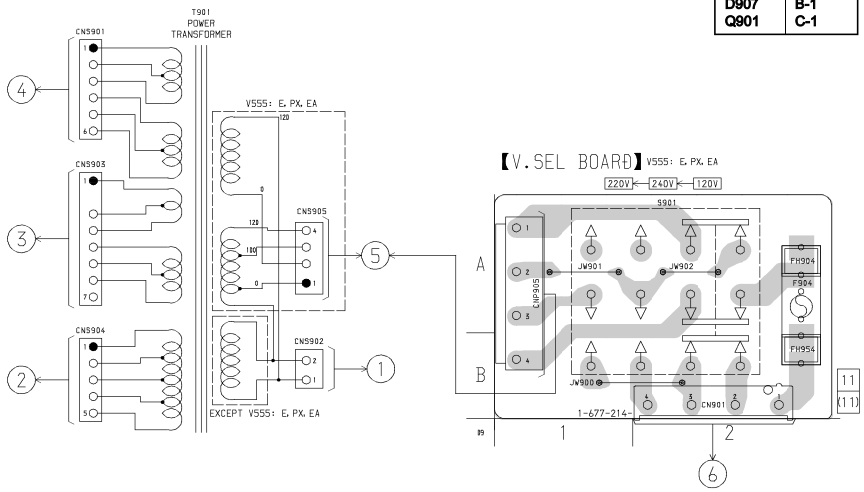
• **Semiconductor Location**

Ref. No.	Location
D801	C-4
D802	D-4
D803	C-3
D804	C-3
D805	C-3
D806	C-3
D807	C-2
D808	C-2
D809	C-2
D810	C-2
D811	A-1
D812	A-1
D813	A-1
D814	A-1
D816	A-1
Q801	B-1



• **Semiconductor Location**

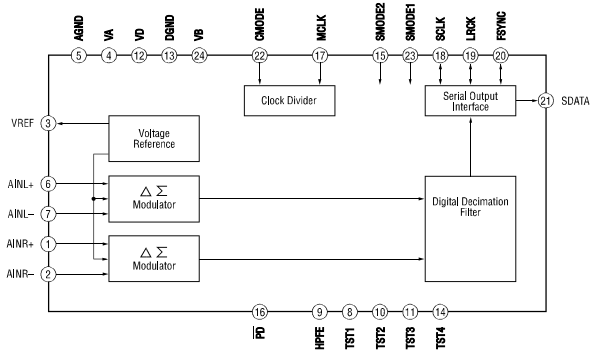
Ref. No.	Location
D901	B-1
D902	B-1
D903	B-1
D904	B-1
D905	C-2
D906	B-1
D907	B-1
Q901	C-1



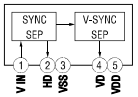
There are few cases that the part isn't mounted in model is printed on diagram.

5-29. IC BLOCK DIAGRAMS

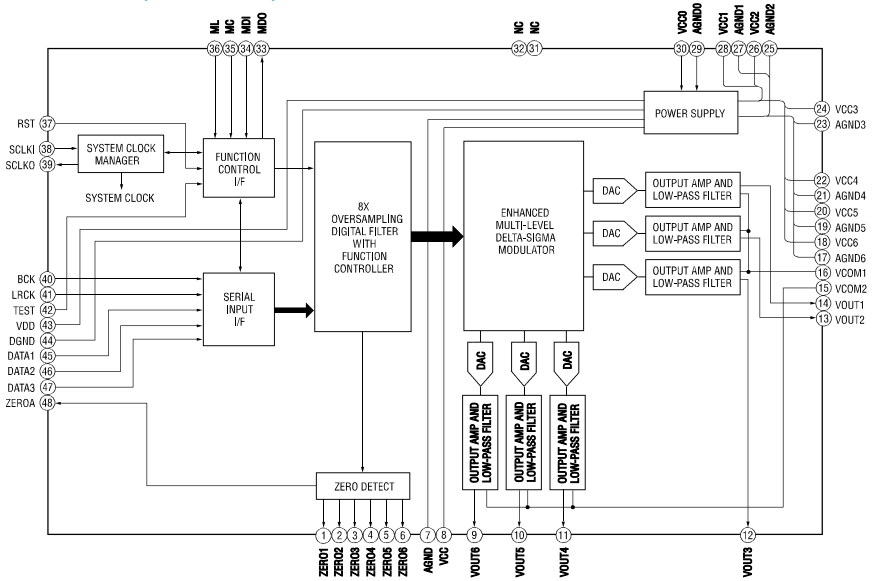
IC1419 AK5352-VF-E2 (DIGITAL BOARD)



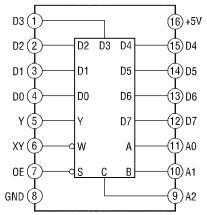
IC204, 205 LA7213 (S-VIDEO BOARD)



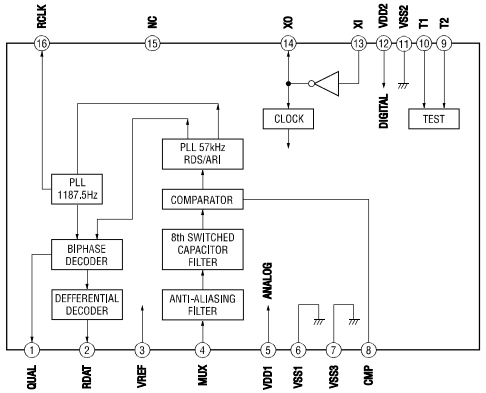
IC1412 PCM1600Y (DIGITAL BOARD)



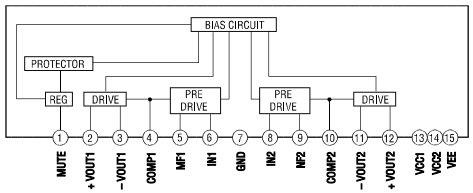
IC1313 TC74HC151AF (DIG-IN/OUT BOARD)



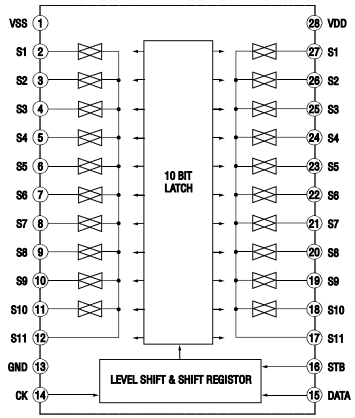
IC1420 BU1924F-E2 (DIGITAL BOARD)



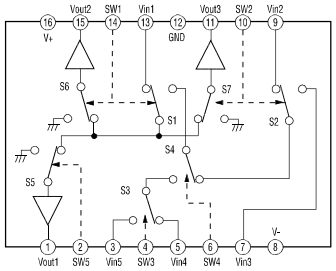
IC501, 601, 701 uPC2581V (POWER AMP BOARD)



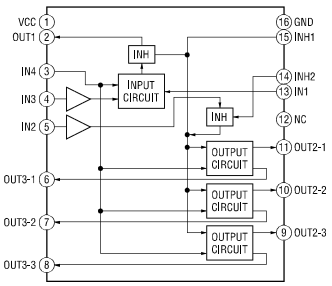
IC303, 306 TC9273F (INPUT BOARD)



IC201, 211 NJM2296M-TE2 (C-VIDEO BOARD)
IC202, 203 NJM2296M-TE2 (S-VIDEO BOARD)

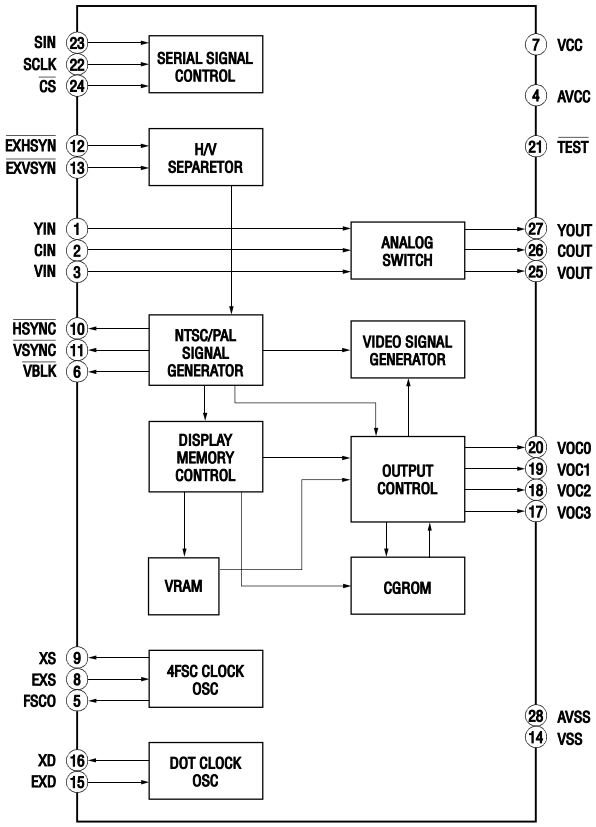


IC200 NJM2145M-TE2 (M-BUS BOARD)

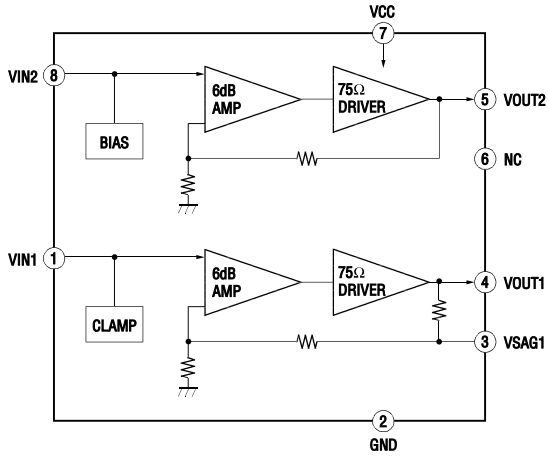


40

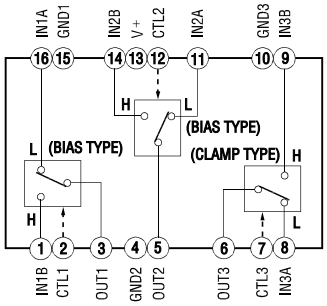
IC209 MB90089PF-234-ER (S-VIDEO BOARD)



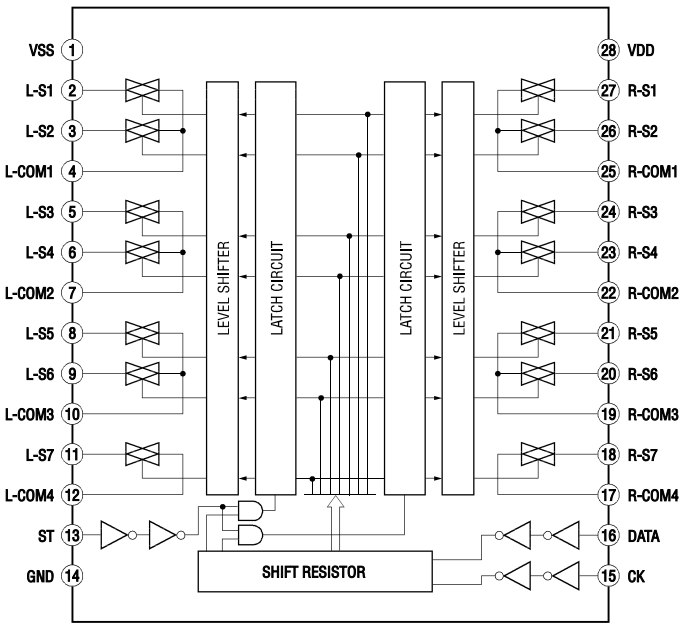
IC212, 213 NJM2268M-TE1 (C-VIDEO BOARD)



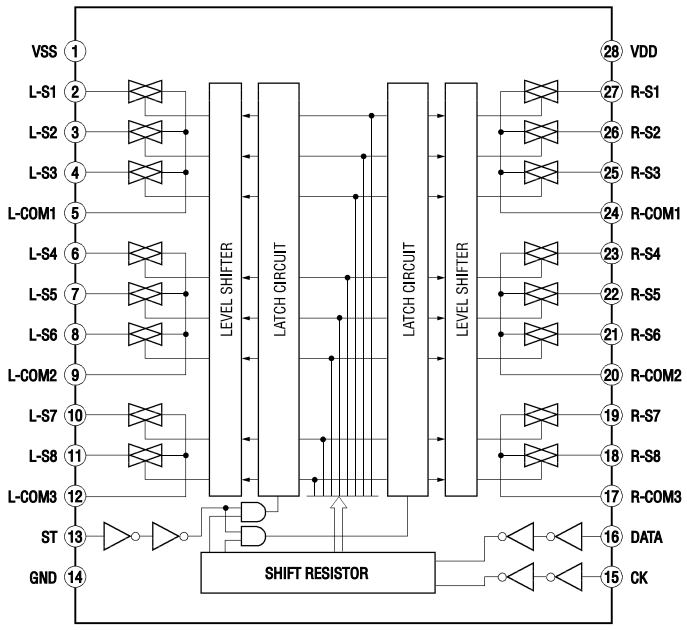
IC214 NJM2284 (TE2)(C-VIDEO BOARD)



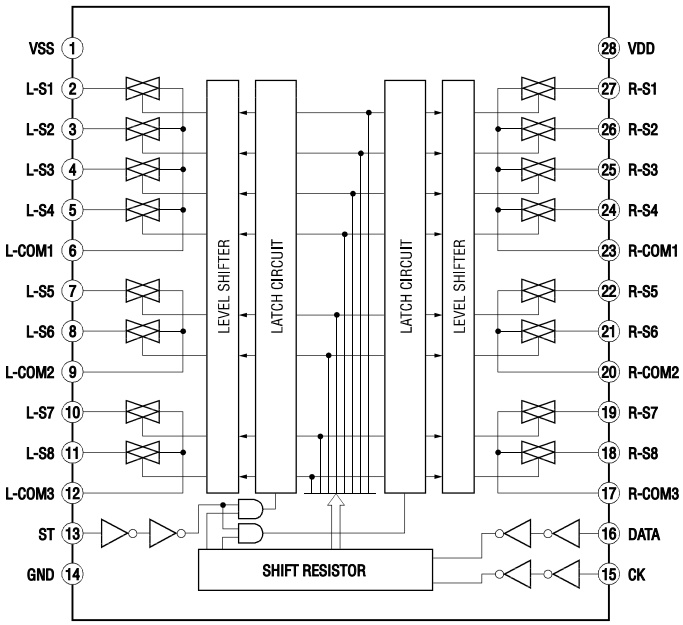
IC305 TC9162AF (INPUT BOARD)



IC302 TC9163AF (INPUT BOARD)



IC300 TC9164AF (AUDIO 2F BOARD)



5-30. IC PIN FUNCTION

IC102 MB90553ABPF-G-168-BND DISPLAY CONTROL (DISPLAY BOARD)

Pin No.	Pin Name	I/O	Description
1	EQ	O	EQ display data output to LED
2	SUR	O	SUR display data output to LED
3	LEVEL	O	LEVEL display data output to LED
4	NAME	O	NAME display data output to LED
5	SET UP	O	SET UP display data output to LED
6	MULT CH DEC	O	MULTI CHENNEL DECODING display data output to LED
7	DCS	O	DIGITAL CINEMA SOUND display data output to LED
8	AUDIO SPLIT	O	AUDIO SPLIT display data output to LED
9	VOL UP	O	Volume up output
10	VOL DOWN	O	Volume down output
11	VSS	—	Ground (Connected to ground)
12	5V CHECK	I	+5V check input
13	POWER RY	O	Power RY output
14	NO USE	—	Not used (Connected to ground)
15	NO USE	—	Not used (Connected to ground)
16	NO USE	—	Not used (Connected to ground)
17	NO USE	—	Not used (Connected to ground)
18	SIRCS IN	I	SIRCS input
19	FLASH DATA OUT	O	FLASH DATA output
20	FLASH DATA IN	I	FLASH DATA input
21	FL CLK	O	Clock output to fluorescent display tube
22	FL DATA	O	Data output to fluorescent display tube
23	VCC	—	Power supply +5 V
24	FL LATCH	O	Fluorescent latch
25	FL CLEAR	O	Fluorescent clear
26	OSD CLK	O	Clock output to OSD
27	C	—	External power regulator capacitor 0.1 is connected to this terminal
28	OSD DATA OUT	O	Data output to OSD
29	—	—	Not used (Connected to ground)
30	OSD LAT	—	Not used
31	—	—	Not used (Connected to ground)
32	—	—	Not used (Connected to ground)
33	—	—	Not used (Connected to ground)
34	AVCC	—	Analog power supply +5 V
35	AVRH	—	AVRH (Connected to Analog power supply +5 V)
36	AVRL	—	AVRL (Connected to ground)
37	AVSS	—	Ground (Connected to ground)
38	KEY INPUT 1	I	Key input 1
39	KEY INPUT 2	I	Key input 2
40	KEY INPUT 3	I	Key input 3
41	KEY INPUT 4	I	Key input 4
42	VSS	—	Ground (Connected to ground)
43	NO USE	I	Key input 5
44	NO USE	I	Not used (Connected to ground)
45	VOL A/D	I	Volume level input
46	RDS SIGNAL INPUT	I	RDS signal input
47	STOP	I	Stop input
48	—	—	Not used (Connected to ground)
49	MD0	I	MD 0
50	MD1	I	MD 1

Pin No.	Pin Name	I/O	Description
51	MD2	I	MD 2
52	HW STANDBY	I	Hardware STANDBY input
53	RDS CLOCK	I	RDS clock input
54	RDS DATA	I	RDS data input
55	OSD VSYNC	O	OSD V sync signal output
56	NO USE	O	Not used (Connected to ground)
57	XTAL SELECTOR	I	Xtal select signal output
58	U-RESET	O	Reset output
59	U-SREQ	I	Slave request and data input
60	U-MREQ	O	Master request output
61	U-DATA	O	Master data output
62	U-CLOCK	O	Master clock output
63	AUBUS-IN	I	Audio bus input
64	SPEAKER-A	I	Speaker-A select switch input
65	SPEAKER-B	I	Speaker-B select switch input
66	POW-KEY IN	—	Power KEY input
67	AUBUS-OUT	O	Audio bus output
68	VIRSION IN1	I	Not used (Connected to ground)
69	VIRSION IN2	I	Not used (Connected to ground)
70	VIRSION IN3	I	Not used (Connected to ground)
71	VIRSION IN4	I	Not used (Connected to ground)
72	VIRSION IN5	I	Not used (Connected to ground)
73	VIRSION OUT1	O	Not used (Connected to ground)
74	VIRSION OUT2	O	Not used (Connected to ground)
75	JOG UP	I	Jog dial up signal input
76	JOG DOWN	I	Jog dial down signal input
77	RESET	I	Reset input
78	FUNCTION UP	—	FUNCTION dial up signal input
79	FUNCTION DOWN	—	FUNCTION dial down signal input
80	—	—	Not used (Connected to ground)
81	VSS	—	Not used (Connected to ground)
82	XO	—	External crystal is connected to this terminal
83	XI	—	External crystal is connected to this terminal
84	VCC	—	Power supply +5 V
85	MUTING	O	Muting signal output
86	ENTER	—	Not used (no connect)
87	NO USE	O	Not used (Connected to ground)
88	NO USE	O	Not used (Connected to ground)
89	NO USE	O	Not used (Connected to ground)
90	NO USE	O	Not used (Connected to ground)
91	NO USE	O	Not used (Connected to ground)
92	NO USE	O	Not used (Connected to ground)
93	MBUS-V1	I	V1 input form MBUS (Connected to ground)
94	MBUS-DVD	I	DVD input form MBUS (Connected to ground)
95	MBUS-TV	I	TV input form MBUS (Connected to ground)
96	MBUS-STATUS	I	STATUS input form MBUS (Connected to ground)
97	2WAY	—	2WAY signal output
98	LATCH	O	CTRL latch signal output
99	RESET	O	OSD reset signal output
100	OSD-LAT	O	OSD chip select signal output

IC1201 MB90574PFV-G-295-BND SYSTEM CONTROL (DIGITAL BOARD)

Pin No.	Pin Name	I/O	Description
1	SCLK DSP1	O	To CXD9511AQ clock
2	DSP1-DATA IN	O	To CXD9511AQ data input
3	DSP1-DATA OUT	I	To CXD9511AQ data output
4	DSP1-CSA	O	To CXD9511AQ chip select
5	DSP1-RESET	O	To CXD9511AQ reset
6	DSP1-CSB	I	To CXD9511AQ chip select
7	NO USE	—	Not used (Connected to ground)
8	VCC	I	Power supply +5 V
9	S1N0	I	UART input. Used for rewriting flash memory
10	SOT0	O	UART output. Used for rewriting flash memory
11	NO USE	—	Not used (Connected to ground)
12	NO USE	—	Not used (Connected to ground)
13	XHDWR1	O	To CXD2712 (IC1304) HCIF data write
14	XHDRD1	O	To CXD2712 (IC1304) HCIF data read
15	TST	I	Not used (connected to ground)
16	XHDCS1	O	To CXD2712 (IC1304) HCIF chip select
17	HD0	I/O	To CXD2712 HCIF data input/output
18	HD1	I/O	To CXD2712 HCIF data input/output
19	HD2	I/O	To CXD2712 HCIF data input/output
20	HD3	I/O	To CXD2712 HCIF data input/output
21	HD4	I/O	To CXD2712 HCIF data input/output
22	HD5	I/O	To CXD2712 HCIF data input/output
23	HD6	I/O	To CXD2712 HCIF data input/output
24	HD7	O	To CXD2712 HD 7
25	HA0	O	To CXD2712 HCIF address
26	XRST1	O	To CXD2712 (IC1304) reset
27	HRDY1	I	To CXD2712 HCIF (IC1304) ready
28	XHDWR2	O	To CXD2712 HCIF (IC1305) data write
29	XHDRD2	O	To CXD2712 HCIF (IC1305) data read
30	XHDCS2	O	To CXD2712 HCIF (IC1305) chip select
31	XRST2	O	To CXD2712 (IC1305) reset
32	HRDY2	I	To CXD2712 (IC1305) ready
33	VSS	—	Ground
34	C	—	External power regulator capacitor 0.1 u is connected to this terminal
35	A/DINT	O	To AK5352 A/D reset
36	D/AINT	O	To PCM1600 D/A reset
37	D/A LAT	O	To PCM1600 D/A latch
38	DVCC	—	Digital power supply +5 V
39	DVSS	—	Digital ground
40	D/A CLK	O	To PCM1600 D/A clock
41	D/A DATA IN	I	To PCM1600 D/A data in
42	AVCC	—	Analog power supply +5 V
43	AVR+	—	Power supply +5 V
44	AVR-	—	Ground
45	AVSS	—	Ground
46	D/A DATA OUT	O	To PCM1600 D/A data out
47	STEREO	I	Stereo input
48	AUTOSTOP	I	Auto stop input
49	TUNER MUTE	O	To tuner mute
50	DATA IN	I	PLL data input

Pin No.	Pin Name	I/O	Description
51	S.CLK	O	To tuner clock
52	S.DATA	O	To tuner data
53	LC.LAT	O	To tuner latch
54	VCC	—	Power supply +5 V
55	TC.LAT	O	To TC9164AF latch
56	V.POWER OFF	O	Video power off output
57	GAIN FRONT	O	Front gain swtich output
58	GAIN CENTER	O	Center gain switch output
59	GAIN SW	O	SUB WOOFER gain switch output
60	GAIN REAR	O	Rear gain switch output
61	RY-POWER	O	Power relay
62	SLV/REQ	O	Display MCU slave data/request
63	VSS	—	Ground
64	M/REQ	I	Display MCU slave master request
65	/DATA	I	Display MCU data
66	DISP/CLK	I	Display MCU clock
67	STOP	I	AC power check
68	VIDEO (SW2-1)	O	To NJM2296 video select switch 2-1
69	VIDEO (SW2-2)	O	To NJM2296 video select switch 2-2
70	VIDEO (SW2-3)	O	To NJM2296 video select switch 2-3
71	VIDEO (SW1)	O	To NJM2296 video select switch 1
72	VIDEO (SW2)	O	To NJM2296 video select switch 2
73	X1A	—	Not used (Not connected, open)
74	X0A	—	Not used (Not connected, open)
75	VIDEO (SW3)	O	To NJM2296 video select switch 3
76	VIDEO (SW4)	O	To NJM2296 video select switch 4
77	AC MUTING	O	Power amp uPC2581 on/off
78	PROTEC	I	Protecter in
79	RY-FRONT/A	O	Front speaker A relay
80	RY-FRONT/B	O	Front speaker B relay
81	RY-CENTER	O	Center speaker relay
82	RY-REAR	O	Rear speaker relay
83	RY-WOOFER	O	Sub woofer relay
84	RY-HP	O	Headphones relay
85	RY-PRE	O	Pre amp out
86	HSTX	—	Hardware standby (Connected to power supply +5 V)
87	MD2	O	MD 2 (Display MCU)
88	MD1	—	MD 1 (Connected to power supply +5 V)
89	MD0	O	MD 0 (Display MCU)
90	RESET	I	Display MCU reset
91	VSS	—	Ground (Connected to ground)
92	XO	—	External ceramic filter 4 MHz is connected to this terminal
93	XI	—	External ceramic filter 4 MHz is connected to this terminal
94	VCC	—	Power supply +5 V
95	PO0	—	Flash memory rewrite (Connected to ground)
96	PO1	—	Flash memory rewrite (Connected to ground)
97	VIDEO (SW2-4)	O	To NJM2296 video select switch 2-4
98	NO USE	—	Not used (Connected to ground)
99	SURRMUTEING	O	Surround muting
100	LAT	O	EVR latch

Pin No.	Pin Name	I/O	Description
101	DATA	O	EVR data
102	CLK	O	EVR clock
103	$\overline{\text{RF AC3 NO}}$/YES	I	RF AC3 no/yes input
104	D.POWER OFF	O	DIGITAL POWER OFF output
105	$\overline{\text{ANALOG}}$/DIGITAL	O	Analog/digital signal output
106	RF ON/$\overline{\text{OFF}}$	O	RF input signal output
107	DIG-INC	O	Digital input select C (TC74HC151)
108	DIG-INB	O	Digital input select B (TC74HC151)
109	DIG-INA	O	Digital input select A (TC74HC151)
110	XMODE	O	DIR reset
111	LC89055W CLOCK	O	To LC89055W clock
112	LC89055W LAT	O	To LC89055W latch
113	LC89055W DATA	O	To LC89055W data
114	LC89055W CBIT	I	To LC89055W C bit
115	ERROR	I	To LC89055W error out
116	XSTATE	I	To Xtal status flag
117	ZERODATA	I	To LC89055W zero data
118	RF ERROR	I	RF AC 3 demodulator error or signal
119	VSS	—	Ground
120	RF RESET	O	RF AC 3 demodulator reset

IC1304, 1305 CXD2712R AUDIO DSP MEMORY CONTROL (DIGITAL BOARD)

Pin No.	Pin Name	I/O	Description
1	VSS3	—	Ground terminal
2 to 5	SOA to SOD	O	Serial data output to the A/D, D/A converter
6, 7	ECJ0, ECJ1	I	Conditional jump input terminal
8	NC	O	Not used (fixed at "L")
9	XHDWR	I	Write data input from the system controller (IC1201)
10	XHDRD	I	Read data input terminal
11	VSS4	—	Ground terminal
12	VDD2	—	Power supply terminal (+3.3V)
13	HRDY	O	Ready signal output to the system controller (IC1201)
14	XHDCS	I	Chip select signal input from the system controller (IC1201)
15	HA0	I	Address signal input from the system controller (IC1201)
16 to 20	HD0 to HD4	I/O	Two-way data bus with the system controller (IC1201)
21	VSS5	—	Ground terminal
22	VDD3	—	Power supply terminal (+3.3V)
23 to 25	HD5 to HD7	I/O	Two-way data bus with the system controller (IC1201)
26	XRST	I	Reset signal input from the system controller (IC1201)
27 to 30	FGP0 toFGP3	I/O	Data output terminal for the test
31	VSS6	—	Ground terminal
32 to 40	ED0 to ED8	I/O	Not used (No connection)
41	VSS7	—	Ground terminal
42	VDD4	—	Power supply terminal (+3.3V)
43 to 49	ED9 to ED15	I/O	Not used (No connection)
50	TSTD	I	Not used (Connected to ground)
51	VSS8	—	Ground terminal
52	VDD5	—	Power supply terminal (+3.3V)
53 to 60	ED16 to ED23	I/O	Two-way data bus with the S-RAM
61	VSS9	—	Ground terminal
62 to 69	ED24 to ED31	I/O	Two-way data bus with the S-RAM
70	XOE	O	Output enable signal output to the S-RAM
71	VSS10	—	Ground terminal
72	VDD6	—	Power supply terminal (+3.3V)
73	CAS	O	External RAM column address strobe signal output terminal (Not used)
74	XWE	O	External RAM write enable
75	RAS	O	External RAM raw address strobe signal output terminal (Not used)
76 to 80	EA0 to EA4	I/O	Address signal output to the S-RAM or test data input from the S-RAM
81	VSS11	—	Ground terminal
82	VDD7	—	Power supply terminal (+3.3V)
83 to 89	EA to EA11	I/O	Address signal output to the S-RAM or test data input from the S-RAM
90	EA12	O	Address signal output to the S-RAM
91	VSS0	—	Ground terminal
92 to 95	EA13 to EA16	O	Address signal output to the S-RAM
96	TSTA	I	Test data input terminal
97	PLDIVF	I	PLL input frequency select terminal
98	PLDIVB	O	PLL input frequency select terminal
99	CLKI	I	Master clock signal input terminal (Connecting Xtal)
100	CLKO	O	Master clock signal output terminal (Connecting Xtal)

Pin No.	Pin Name	I/O	Description
101	VSS1	—	Ground terminal
102	VDD0	—	Power supply terminal (+3.3V)
103	AVSS	—	Ground terminal
104	AVDD	—	Power supply terminal (+3.3V)
105	PLLCK	I/O	PLL output/test clock signal input terminal
106	XPLLEN	I	PLL cell oscillation enable signal input terminal
107	TST	I	Test data input terminal
108	LRCT	I	Frequency counter input terminal
109	LROUT	O	Clock driver signal output terminal
110	BKOUT	O	Clock driver signal output terminal
111	VSS2	—	Ground terminal
112	VDD1	—	Power supply terminal (+3.3V)
113	BCK0	I	BCK input
114	BCK1	I	BCK input
115	LRCK0	I	LRCK input
116	LRCK1	I	LRCK input
117 to 120	SIA to SID	—	Serial data input

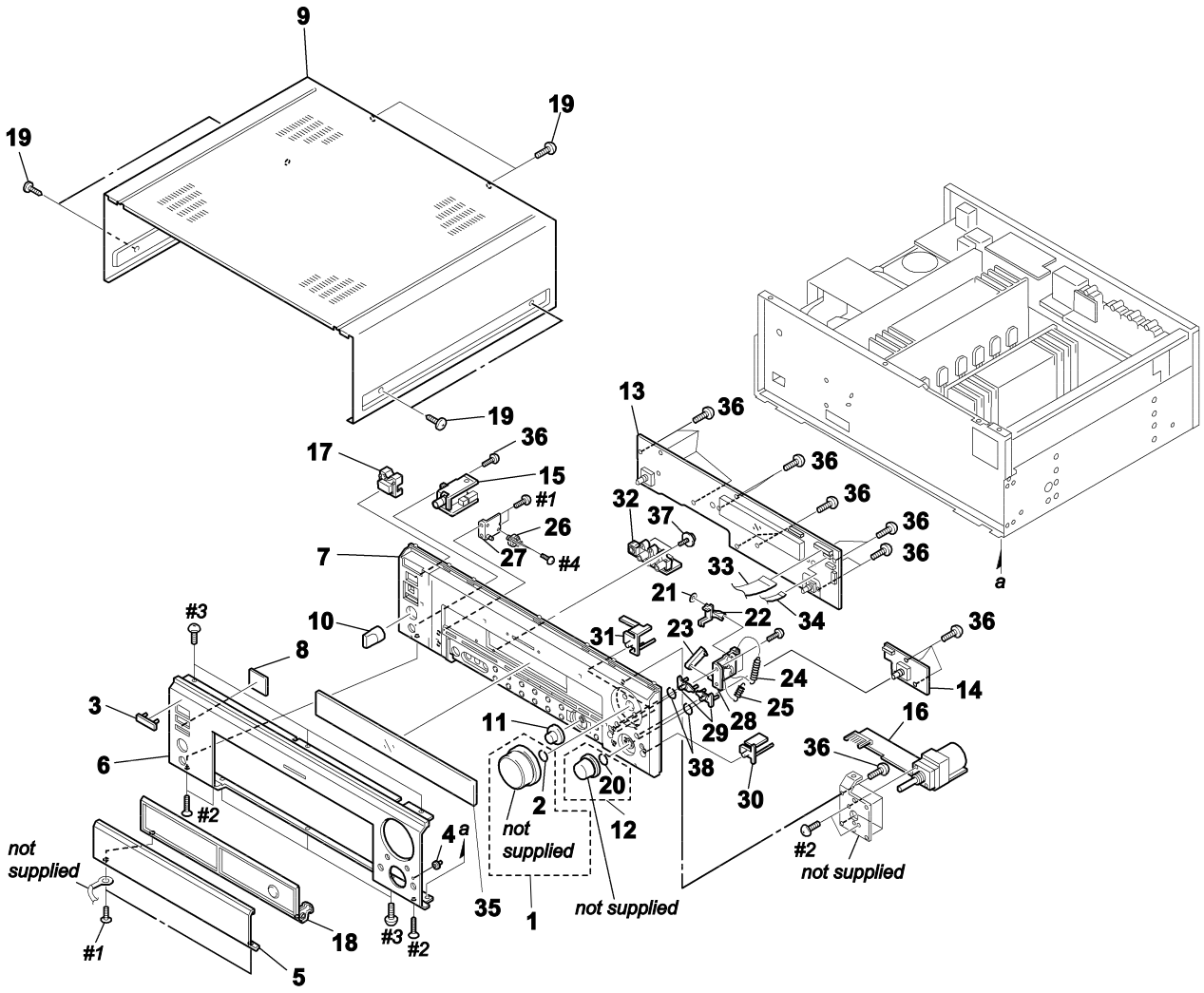
SECTION 6
EXPLODED VIEWS

NOTE:
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . . (RED)
  ↑ ↑
  Parts color Cabinets color

- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
  CND : Canadian model
  AUS : Australian model
  CH : Chinese model
  EE : East European model
  EA : Saudi Arabia model
  SP : Singapore model
  TW : Taiwan model
  MY : Malaysia model
  HK : Hong Kong model

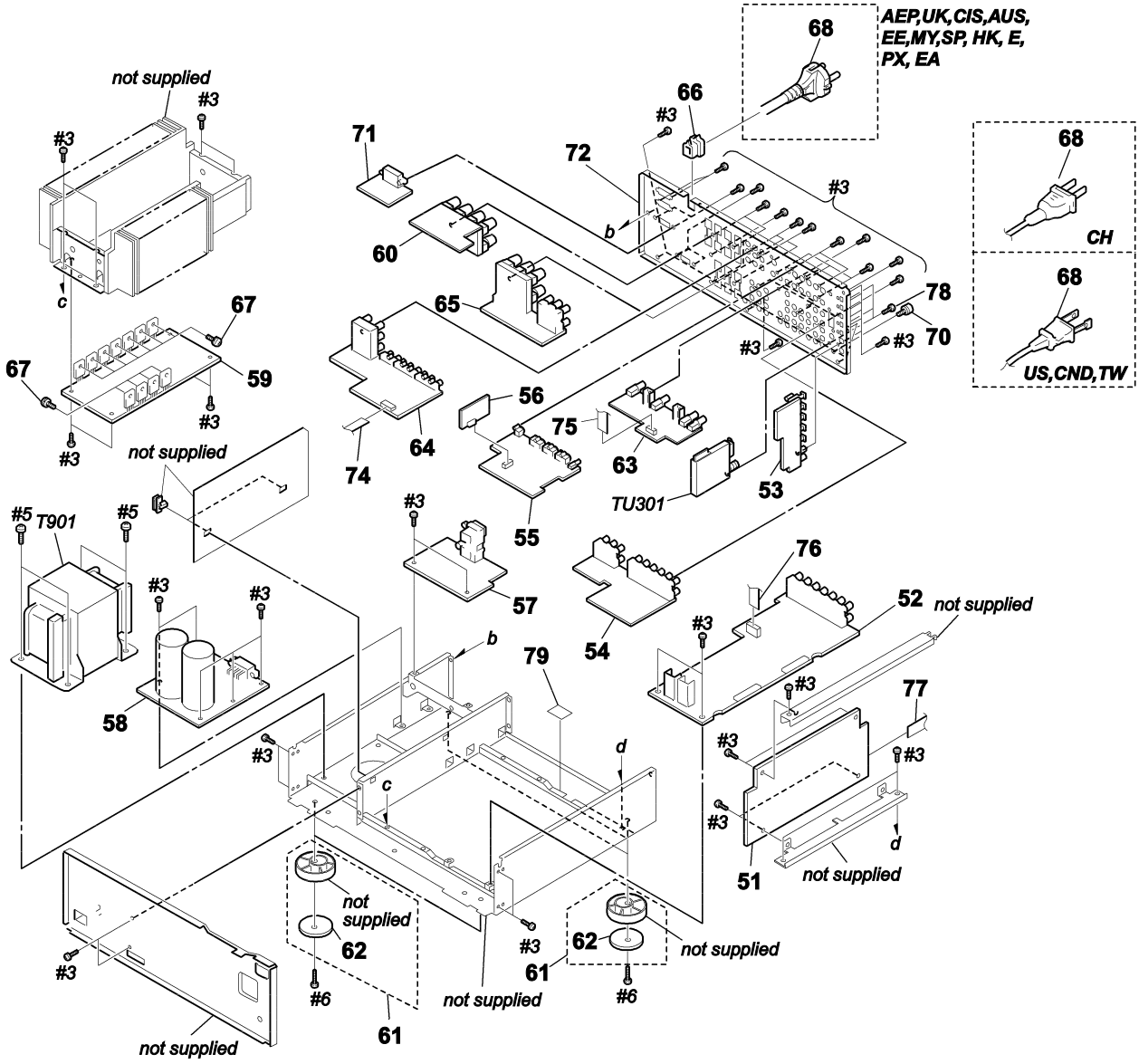
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.
以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

6-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	X-4951-908-1	KNOB(VOL) ASSY (GOLD)	
1	X-4953-180-1	KNOB(V54) ASSY (BLACK)	
2	3-350-426-01	SPRING	
3	4-942-568-41	EMBLEM (NO.5), SONY (BLACK)	
* 4	X-4950-462-1	LENS ASSY, LED	
5	4-228-814-01	PANEL(DOOR) (BLACK)(V555)	
5	4-228-814-11	PANEL(DOOR)(V444)	
5	4-228-814-21	PANEL(DOOR)(V333)	
5	4-228-814-31	PANEL(DOOR)(GOLD)(V555)	
6	4-228-813-01	PANEL(E5), FRONT(V555:US,CND)	
6	4-228-813-11	PANEL(E5), FRONT(V444)	
6	4-228-813-21	PANEL(E5), FRONT(V333)	
6	4-228-813-31	PANEL(E5), FRONT (BLACK)(V555)	
6	4-228-813-41	PANEL(E5), FRONT (GOLD)(V555)	
7	A-4412-256-A	BASE(B) ASSY, PANEL (BLACK) (V444/V555:US,CND,E,PX,EA)	
7	A-4412-261-A	BASE(N) ASSY,PANEL (GOLD) (V555:AEP,UK,CIS,AUS,EE,MY,SP,HK)	
7	A-4412-386-A	BASE(B) ASSY,PANEL (BLACK) (V555:AEP,UK,CIS,EE,AUS)	
7	A-4412-388-A	BASE(N) ASSY,PANEL (GOLD)(V555:CH,TW)	
7	A-4412-389-A	BASE(B) ASSY, PANEL (BLACK)(V333)	
8	4-228-862-01	WINDOW (IR) (BLACK)	
8	4-228-862-11	WINDOW (IR) (GOLD)	
9	4-228-818-11	CASE(435145E9) (BLACK)	
9	4-228-818-31	CASE(435145E9) (GOLD)	
10	4-218-304-01	KNOB(F14) (BLACK)	
10	4-218-304-11	KNOB(F14) (GOLD)	
11	4-228-859-01	KNOB(JOG) (BLACK)	
11	4-228-859-11	KNOB(JOG) (GOLD)	
12	X-4951-912-1	KNOB(BAL) ASSY (BLACK)	
12	X-4951-913-1	KNOB(BAL) ASSY (GOLD)	
13	A-4473-457-A	DISPLAY BOARD, COMPLETE (V444/V555:US,CND)	
13	A-4473-487-A	DISPLAY BOARD, COMPLETE (V555:AEP,UK,CIS,AUS,EE,MY,SP,HK)	
13	A-4473-490-A	DISPLAY BOARD, COMPLETE(V555:E,PX,EA)	
13	A-4473-509-A	DISPLAY BOARD, COMPLETE(V555:TW)	
13	A-4473-511-A	DISPLAY BOARD, COMPLETE(V555:CH)	
13	A-4473-514-A	DISPLAY BOARD, COMPLETE(V333)	
14	A-4473-463-A	ROTARY BOARD, COMPLETE	
15	1-677-219-11	HP BOARD	
16	1-677-218-11	VOL BOARD	
17	4-998-592-01	BUTTON (POWER) (BLACK)	
17	4-998-592-12	BUTTON (POWER) (GOLD)	
18	4-228-839-01	DOOR(BASE) (BLACK)	
18	4-228-839-11	DOOR(BASE)(GOLD)	
19	4-210-291-01	SCREW (CASE 3 TP2) (BLACK)	
19	4-210-291-11	SCREW (CASE 3 TP2) (GOLD)	
20	3-703-466-00	SPRING (6600)	
21	3-167-330-01	WASHER	
22	4-228-857-01	ARM,DOOR LOCK	
23	4-228-858-01	ARM	
24	4-228-860-01	SPRING, TENSION	
25	4-228-861-01	SPRING, TENSION	
26	3-973-975-01	DAMPER, OIL	
27	X-4952-961-1	BRACKET (DL) ASSY	
28	X-4952-962-1	BRACKET (DR) ASSY	
29	4-228-850-01	BUTTON (F)	
30	4-228-849-01	BUTTON (E) (BLACK)	
30	4-228-849-11	BUTTON (E) (GOLD)	
31	4-228-848-01	BUTTON (D) (BLACK)	
31	4-228-848-11	BUTTON (D) (GOLD)	
32	1-677-253-11	F-VIDEO BOARD	
33	1-773-050-11	WIRE(FLAT TYPE) (17 CORE)	
34	1-769-903-11	WIRE(FLAT TYPE) (7 CORE)(EXCEPT US,CND)	
34	1-769-999-11	WIRE(FLAT TYPE) (13 CORE)(US,CND)	
35	4-228-863-01	PLATE(B), INDICATION (BLACK)	
35	4-228-864-01	PLATE(M), INDICATION (GOLD)	
36	4-951-620-01	SCREW(2.6X8), +BVTP	
37	4-933-134-11	SCREW(+PTPWH M2.6X8)	
38	4-228-856-01	PLATE(BUTTON F),INTERCEPTION	

6-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
51	A-4473-475-A	DIGITAL BOARD, COMPLETE (V444/V555:US,CND,E,PX,EA,TW,CH)	
51	A-4473-484-A	DIGITAL BOARD, COMPLETE (V555:AEP,UK,CIS,AUS,EE,MY,SP,HK)	
51	A-4473-518-A	DIGITAL BOARD, COMPLETE(V333)	
52	A-4473-459-A	INPUT BOARD, COMPLETE (V333/V444/V555:US,CND,E,PX,EA)	
52	A-4473-488-A	INPUT BOARD, COMPLETE (V555:AEP,UK,CIS,AUS,EE,MY,SP,HK,TW,CH)	
53	1-678-406-11	DIGITAL IN/OUT BOARD	
54	A-4473-465-A	AUDIO-2F BOARD, COMPLETE (V444/V555:US,CND,E,PX,EA)	
54	A-4473-479-A	AUDIO-2F BOARD, COMPLETE (V555:AEP,UK,CIS,AUS,EE,MY,SP,HK,TW,CH)	
54	A-4473-515-A	AUDIO-2F BOARD, COMPLETE(V333)	
55	A-4473-467-A	S-VIDEO BOARD, COMPLETE (V333/V444/V555:US,CND)	
55	A-4473-480-A	S-VIDEO BOARD, COMPLETE (V555:AEP,UK,CIS,AUS,EE,MY,SP,HK,E,PX,EA,CH)	
55	A-4473-498-A	S-VIDEO BOARD, COMPLETE(V555:TW)	
56	1-677-222-11	CLOCK BOARD (V555:AEP,UK,CIS,AUS,EE,MY,SP,E,PX,EA,CH)	
57	A-4473-452-A	AC BOARD, COMPLETE (V333/V444/V555:US,CND)	
57	A-4473-486-A	AC BOARD, COMPLETE (V555:AEP,UK,CIS,AUS,EE,MY,SP,HK)	
57	A-4473-489-A	AC BOARD, COMPLETE(V555:E,PX,EA)	
57	A-4473-508-A	AC BOARD, COMPLETE(V555:TW)	
57	A-4473-510-A	AC BOARD, COMPLETE(V555:CH)	
58	A-4473-454-A	DC BOARD, COMPLETE(V444/V555:BLACK)	
58	A-4473-653-A	DC BOARD, COMPLETE(V333)	
58	A-4475-203-A	DC BOARD, COMPLETE(V555:GOLD)	
59	A-4473-455-A	POWER-AMP BOARD, COMPLETE	
60	1-677-226-11	FRONT SP BOARD	
61	X-4949-759-1	FOOT ASSY	
62	4-970-124-01	CUSHION (F50180S)	
63	1-677-224-11	M-BUS BOARD(V333/V444/V555:US,CND)	
64	A-4473-469-A	C-VIDEO BOARD, COMPLETE(V444,V555)	
64	A-4473-516-A	C-VIDEO BOARD, COMPLETE(V333)	

Ref. No.	Part No.	Description	Remark
65	1-677-227-11	SURR SP BOARD	
66	4-916-783-01	BUSHING, CORD(V444/V555:US,CND)	
* 66	3-703-244-00	BUSHING (2104), CORD (V333/V555:AEP,UK,CIS,AUS,EE,MY,SP,E,PX,EA,HK,TW,CH)	
67	3-905-609-11	SCREW (TRANSISTOR)	
⚠68	1-559-479-11	CORD, POWER(V444/V555:US,CND,TW)	
⚠68	1-575-953-11	CORD, POWER (V555:AEP,UK,CIS,AUS,EE,MY,SP,HK,E,PX,EA)	
⚠68	1-782-464-21	CORD, POWER(V555:CH)	
⚠68	1-783-820-11	CORD, POWER(V333)	
70	4-947-010-01	SCREW, FEEDER FIXED	
71	1-677-214-11	V-SEL BOARD(V555:E,PX,EA)	
72	4-228-819-01	PANEL (E5), BACK(V555:US,CND,E,PX,EA)	
72	4-228-819-11	PANEL (E5), BACK(V444)	
72	4-228-819-21	PANEL (E5), BACK(V333)	
72	4-228-819-31	PANEL (E5), BACK (V555:AEP,UK,CIS,AUS,EE,MY,SP,HK)	
72	4-228-819-51	PANEL (E5), BACK(V555:CH)	
72	4-228-819-61	PANEL (E5), BACK(V555:TW)	
74	1-769-939-11	WIRE(FLAT TYPE) (11 CORE)	
75	1-765-315-11	WIRE(FLAT TYPE) (7 CORE)(V444/V555:US,CND)	
75	1-769-888-11	WIRE(FLAT TYPE) (7 CORE)(V333)	
76	1-773-037-11	WIRE(FLAT TYPE) (17 CORE)	
77	1-773-008-11	WIRE(FLAT TYPE) (15 CORE)	
78	3-704-515-21	SCREW(BV/RING)	
* 79	4-871-306-21	RUBBER (A)	
⚠T901	1-435-448-11	TRANSFORMER, POWER(V444/V555:US,CND)	
⚠T901	1-435-449-11	TRANSFORMER, POWER (V555:AEP,UK,CIS,AUS,EE,MY,SP,HK,CH)	
⚠T901	1-435-450-11	TRANSFORMER, POWER(V555:E,PX,EA)	
⚠T901	1-435-588-11	TRANSFORMER, POWER(V555:TW)	
⚠T901	1-435-686-11	TRANSFORMER, POWER(V333)	
TU301	1-693-407-23	TUNER (V333/V444/V555:US,CND,E,PX,EA,HK,TW)	
TU301	1-693-409-23	TUNER(V555:AEP,UK,CIS,AUS,EE,MY,SP,HK,CH)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性．因此只能以规定号码的零部件来更换．

AC

SECTION 7
ELECTRICAL PARTS LIST

Note:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- SEMICONDUCTORS
  In each case, u: µ , for example:
  uA...: µ A..., uPA...: µ PA..., uPB...: µ PB..., uPC...: µ PC..., uPD...: µ PD...
- CAPACITORS
  uF : µ F
- COILS
  uH : µ H
- Abbreviation
  CND : Canadian model
  AUS : Australian model
  CH : Chinese model
  EE : East European model
  EA : Saudi Arabia model
  SP : Singapore model
  TW : Taiwan model
  MY : Malaysia model
  HK : Hong Kong model
- V333: STR-V333ES
  V444: STR-V444ES
  V555: STR-V555ES

Ref. No.	Part No.	Description			Remark
	A-4473-486-A	AC BOARD, COMPLETE			
		**********			
					(AEP,UK,CIS,AUS,EE,MY,SP,HK)
	A-4473-452-A	AC BOARD, COMPLETE(US,CND)			
		**********			
	A-4473-508-A	AC BOARD, COMPLETE(TW)			
		**********			
	A-4473-510-A	AC BOARD, COMPLETE (CH)			
		**********			
	A-4473-489-A	AC BOARD, COMPLETE(E,PX,EA)			
		**********			
	1-533-399-	HOLDER, FUSE			
		< CAPACITOR >			
C901	1-136-157-00	MYLAR	0.022uF	5.00% 50V	
C902	1-136-157-00	MYLAR	0.022uF	5.00% 50V	
C903	1-127-722-51	ELECT CHIP	2200uF	20% 16V	
C904	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V	
C905	1-126-960-11	ELECT	1uF	20.00% 50V	
		< CONNECTOR >			
CNP901	1-564-321-00	PIN, CONNECTOR 2P			
* CNP902	1-565-792-11	PIN, CONNECTOR 2P			
CNP906	1-784-921-11	PIN, CONNECTOR 4P			
CNP907	1-568-106-11	PIN, CONNECTOR 4P(E,PX,EA)			
		< DIODE >			
D901	8-719-200-82	DIODE 11ES2-TB5			
D902	8-719-200-82	DIODE 11ES2-TB5			
D903	8-719-200-82	DIODE 11ES2-TB5			
D904	8-719-200-82	DIODE 11ES2-TB5			
D905	8-719-988-61	DIODE 1SS355TE-17			
D906	8-719-988-61	DIODE 1SS355TE-17			
D907	8-719-988-61	DIODE 1SS355TE-17			

Ref. No.	Part No.	Description			Remark
		< TERMINAL >			
* EP901	1-537-738-21	TERMINAL, EARTH(US,CND)			
* EP902	1-537-738-21	TERMINAL, EARTH			
		< FUSE >			
⚠F901	1-532-465-51	FUSE, TIME LAG 2.5A/250V			
					(EXCEPT US,CND,TW)
⚠F901	1-533-312-11	FUSE, GLASS CYLINDRICAL(DIA.5) 10A/125V			
					(US,CND,TW)
⚠F902	1-532-464-51	FUSE T2.5AL/250V			
					(AEP,UK,CIS,AUS,EE,MY,SP,CH)
		< JACK >			
⚠J901	1-785-285-11	OUTLET, AC(1P)(AC OUTLET)			
					(AEP,UK,CIS,AUS,EE,MY,SP,HK)
⚠J901	1-251-718-11	OUTLET(2 GANG), AC(AC OUTLET)			
					(US,CND,E,PX,EA,TW,CH)
		< TRANSISTOR >			
Q901	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L			
		< RESISTOR >			
⚠R901	1-202-725-00	SOLID	3.3M	10% 1/2W	
					(US,CND)
R902	1-216-073-00	METAL CHIP	10K	5% 1/10W	
R903	1-216-065-91	RES-CHIP	4.7K	5% 1/10W	
R904	1-216-093-91	RES-CHIP	68K	5% 1/10W	
R905	1-216-085-00	METAL CHIP	33K	5% 1/10W	
		< RELAY >			
⚠RY901	1-755-298-11	RELAY(EXCEPT US,CND)			
⚠RY901	1-755-393-11	POWER RELAY(US,CND)			
		< TRANSFORMER >			
⚠T902	1-435-435-11	TRANSFORMER, POWER			
					(AEP,UK,CIS,AUS,EE,MY,SP,HK,CH)
⚠T902	1-435-434-11	TRANSFORMER, POWER(E,PX,EA)			
⚠T902	1-435-563-11	TRANSFORMER, POWER(TW)			
⚠T902	1-435-162-11	TRANSFORMER, POWER(US,CND)			
**********					

Ref. No.	Part No.	Description			Remark
	A-4473-465-A	AUDIO-2F BOARD, COMPLETE			
		**********			
					(V444/V555:US,CND,E,PX,EA)
	A-4473-515-A	AUDIO-2F BOARD, COMPLETE (V333)			
		**********			
	A-4473-479-A	AUDIO-2F BOARD, COMPLETE			
		**********			
					(EXCEPT V555: US,CND,E,PX,EA)
		< CAPACITOR >			
C300	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C310	1-163-033-91	CERAMIC CHIP	0.022uF		50V
C321	1-119-823-11	ELECT	4.7uF	20.00%	50V
C322	1-119-825-41	ELECT	22uF	20.00%	50V
C323	1-163-033-91	CERAMIC CHIP	0.022uF		50V
C325	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C326	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C327	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C328	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C329	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C343	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C344	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C345	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C346	1-163-033-91	CERAMIC CHIP	0.022uF		50V
C347	1-163-033-91	CERAMIC CHIP	0.022uF		50V
C348	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C350	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C371	1-119-823-11	ELECT	4.7uF	20.00%	50V
C372	1-119-825-41	ELECT	22uF	20.00%	50V
C373	1-163-033-91	CERAMIC CHIP	0.022uF		50V
					(V444/V555)
C374	1-163-033-91	CERAMIC CHIP	0.022uF		50V
					(V444/V555)
C375	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C376	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C377	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C378	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C379	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C393	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C394	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C395	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
					(EXCEPT US,CND,E,PX,EA)
C397	1-163-033-91	CERAMIC CHIP	0.022uF		50V
C398	1-163-033-91	CERAMIC CHIP	0.022uF		50V
C399	1-163-033-91	CERAMIC CHIP	0.022uF		50V
		< CONNECTOR >			
CNP303	1-779-978-11	PIN, CONNECTOR 3P			
CNS303	1-784-778-11	CONNECTOR, FFC 17P			
		< IC >			
IC300	8-759-677-18	IC TC9164AF (ELP)			
IC307	8-759-099-06	IC M5218AFP-TE1			
IC308	8-759-677-20	IC TC9273F-014 (EL)(V444/V555)			
		< JACK >			
J304	1-778-517-11	JACK, PIN 6P (VIDEO 2/TV/SAT/DVD/LD)			
J305	1-778-517-11	JACK, PIN 6P (VIDEO 1)			
J306	1-793-345-21	JACK, PIN 6P (5.1CH INPUT)			
		< RESISTOR >			
R300	1-208-437-41	RES-CHIP	1K	2%	1/10W
R324	1-208-558-41	RES-CHIP	1M	2%	1/10W
R325	1-218-760-11	RES-CHIP	220K	2%	1/10W
R337	1-208-437-41	RES-CHIP	1K	2%	1/10W
R338	1-208-437-41	RES-CHIP	1K	2%	1/10W
R339	1-208-437-41	RES-CHIP	1K	2%	1/10W
R340	1-208-437-41	RES-CHIP	1K	2%	1/10W
R341	1-208-437-41	RES-CHIP	1K	2%	1/10W
R342	1-208-437-41	RES-CHIP	1K	2%	1/10W
R343	1-208-437-41	RES-CHIP	1K	2%	1/10W
R344	1-208-437-41	RES-CHIP	1K	2%	1/10W
R350	1-208-437-41	RES-CHIP	1K	2%	1/10W
R374	1-208-558-41	RES-CHIP	1M	2%	1/10W
R375	1-218-760-11	RES-CHIP	220K	2%	1/10W
R381	1-216-025-91	RES-CHIP	100	5%	1/10W
R382	1-216-025-91	RES-CHIP	100	5%	1/10W
R383	1-216-025-91	RES-CHIP	100	5%	1/10W
R387	1-208-437-41	RES-CHIP	1K	2%	1/10W
R388	1-208-437-41	RES-CHIP	1K	2%	1/10W
R389	1-208-437-41	RES-CHIP	1K	2%	1/10W
R390	1-208-437-41	RES-CHIP	1K	2%	1/10W
R391	1-208-437-41	RES-CHIP	1K	2%	1/10W
R392	1-208-437-41	RES-CHIP	1K	2%	1/10W
R393	1-208-437-41	RES-CHIP	1K	2%	1/10W
R394	1-208-437-41	RES-CHIP	1K	2%	1/10W
**********					
	1-677-222-11	CLOCK BOARD(EXCEPT US,CND,TW)			
		**********			
		< CAPACITOR >			
C256	1-163-235-11	CERAMIC CHIP	22PF	5.00%	50V
C257	1-163-091-00	CERAMIC CHIP	8PF		50V
C258	1-163-091-00	CERAMIC CHIP	8PF		50V
C259	1-163-235-11	CERAMIC CHIP	22PF	5.00%	50V
C260	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C261	1-104-664-11	ELECT	47uF	20.00%	16V
C2010	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< CONNECTOR >			
CNS202	1-750-179-11	SOCKET, CONNECTOR 5P			

CLOCK | C-VIDEO

Ref. No.	Part No.	Description			Remark
		< TRIMMER >			
CT201	1-141-442-91	CAP, CERAMIC TRIMMER 20PF			
CT202	1-141-442-91	CAP, CERAMIC TRIMMER 20PF			
		< FERRITE BEAD >			
FB203	1-414-813-11	FERRITE,EMI			
		< IC >			
IC207	8-759-242-70	IC TC7WU04F(TE12R)			
IC208	8-759-032-01	IC TC74HC00AF(EL)			
		< RESISTOR >			
R242	1-216-025-91	RES-CHIP	100	5%	1/10W
R243	1-216-035-00	METAL CHIP	270	5%	1/10W
R244	1-216-035-00	METAL CHIP	270	5%	1/10W
R269	1-216-025-91	RES-CHIP	100	5%	1/10W
R270	1-216-025-91	RES-CHIP	100	5%	1/10W
R276	1-216-121-91	RES-CHIP	1M	5%	1/10W
R277	1-216-121-91	RES-CHIP	1M	5%	1/10W
		< VIBRATOR >			
X200	1-781-820-21	VIBRATOR, CRYSTAL(17.34MHz)			
X201	1-781-821-21	VIBRATOR, CRYSTAL(14.31MHz)			
**********					
	A-4473-469-A	C-VIDEO BOARD, COMPLETE(V444/V555)			
		**********			
	A-4473-516-A	C-VIDEO BOARD, COMPLETE(V333)			
		**********			
		< CAPACITOR >			
C201	1-126-964-11	ELECT	10uF	20.00%	50V
C202	1-126-964-11	ELECT	10uF	20.00%	50V
C203	1-126-964-11	ELECT	10uF	20.00%	50V
C204	1-126-964-11	ELECT	10uF	20.00%	50V
C205	1-164-690-91	CERAMIC CHIP	0.0022uF	5.00%	50V
C206	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
C207	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
C208	1-126-964-11	ELECT	10uF	20.00%	50V
C209	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C210	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C211	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C212	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C213	1-104-664-11	ELECT	47uF	20.00%	16V
C214	1-104-664-11	ELECT	47uF	20.00%	16V
C250	1-164-690-91	CERAMIC CHIP	0.0022uF	5.00%	50V
C253	1-126-964-11	ELECT	10uF	20.00%	50V (V444/V555)
C254	1-126-964-11	ELECT	10uF	20.00%	50V (V444/V555)
C255	1-126-925-11	ELECT	470uF	20.00%	10V
C278	1-126-964-11	ELECT	10uF	20.00%	50V (V444/V555)
C280	1-126-964-11	ELECT	10uF	20.00%	50V (V444/V555)
C281	1-104-664-11	ELECT	47uF	20.00%	16V (V444/V555)

Ref. No.	Part No.	Description			Remark
C282	1-104-664-11	ELECT	47uF	20.00%	16V (V444/V555)
C283	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V (V444/V555)
C284	1-126-964-11	ELECT	10uF	20.00%	50V (V444/V555)
C285	1-126-964-11	ELECT	10uF	20.00%	50V (V444/V555)
C286	1-126-964-11	ELECT	10uF	20.00%	50V (V444/V555)
C287	1-126-964-11	ELECT	10uF	20.00%	50V (V444/V555)
C288	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V (V444/V555)
C289	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V (V444/V555)
C290	1-126-925-11	ELECT	470uF	20.00%	10V (V444/V555)
C291	1-126-964-11	ELECT	10uF	20.00%	50V (V444/V555)
C292	1-126-964-11	ELECT	10uF	20.00%	50V (V444/V555)
C293	1-126-964-11	ELECT	10uF	20.00%	50V (V444/V555)
C294	1-126-964-11	ELECT	10uF	20.00%	50V (V444/V555)
C295	1-126-964-11	ELECT	10uF	20.00%	50V (V444/V555)
C296	1-126-964-11	ELECT	10uF	20.00%	50V (V444/V555)
C297	1-104-664-11	ELECT	47uF	20.00%	16V (V444/V555)
C298	1-126-925-11	ELECT	470uF	20.00%	10V (V444/V555)
C299	1-126-925-11	ELECT	470uF	20.00%	10V (V444/V555)
C2003	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
C2005	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C2008	1-164-690-91	CERAMIC CHIP	0.0022uF	5.00%	50V (V444/V555)
C2009	1-104-664-11	ELECT	47uF	20.00%	16V (V444/V555)
C2007	1-164-690-91	CERAMIC CHIP	0.0022uF	5.00%	50V (V333)
		< CONNECTOR >			
* CNP210	1-564-505-11	PLUG, CONNECTOR 2P			
CNS200	1-784-733-11	CONNECTOR, FFC 11P			
		< DIODE >			
D202	8-719-801-78	DIODE 1SS184-TE85L(V444/V555)			
		< FERRITE BEAD >			
FB201	1-216-296-91	SHORT	0		
		< IC >			
IC201	8-759-536-24	IC NJM-2296M-TE2			
IC211	8-759-536-24	IC NJM-2296M-TE2(V444/V555)			
IC212	8-759-293-22	IC NJM2268M-TE1(V444/V555)			
IC213	8-759-293-22	IC NJM2268M-TE1(V444/V555)			
IC214	8-759-085-51	IC NJM2284M(TE2)(V444/V555)			

Ref. No.	Part No.	Description			Remark
		< JACK >			
J200	1-770-337-21	JACK, PIN 3P(TV/SAT/DVD/LD)			
J201	1-794-435-11	JACK, PIN 2P(2ND AV/MONITOR)(V444/V555)			
J201	1-774-227-21	JACK, PIN 1P(TV/SAT/DVD/LD)(V333)			
J202	1-770-337-21	JACK, PIN 3P(TV/SAT, DVD/LD)			
J212	1-794-313-11	JACK, PIN (BLOCK) 9P(COMPONENT VIDEO)			(V444/V555)
		< TRANSISTOR >			
Q204	8-729-216-22	TRANSISTOR 2SA1162-YG-TE85L(V444/V555)			
Q205	8-729-027-43	TRANSISTOR RT1N141C-TP-1(V444/V555)			
Q206	8-729-027-23	TRANSISTOR RT1P141C-TP-1(V444/V555)			
		< RESISTOR >			
R201	1-216-022-00	METAL CHIP	75	5%	1/10W
R202	1-216-022-00	METAL CHIP	75	5%	1/10W
R203	1-216-022-00	METAL CHIP	75	5%	1/10W
R204	1-216-022-00	METAL CHIP	75	5%	1/10W
R205	1-216-022-00	METAL CHIP	75	5%	1/10W
R206	1-216-022-00	METAL CHIP	75	5%	1/10W
R207	1-216-022-00	METAL CHIP	75	5%	1/10W
R234	1-216-073-00	METAL CHIP	10K	5%	1/10W (V444/V555)
R239	1-216-073-00	METAL CHIP	10K	5%	1/10W (V444/V555)
R240	1-216-097-91	RES-CHIP	100K	5%	1/10W (V444/V555)
R253	1-216-022-00	METAL CHIP	75	5%	1/10W (V444/V555)
R256	1-216-049-91	RES-CHIP	1K	5%	1/10W
R257	1-216-022-00	METAL CHIP	75	5%	1/10W (V444/V555)
R258	1-216-022-00	METAL CHIP	75	5%	1/10W (V444/V555)
R259	1-216-022-00	METAL CHIP	75	5%	1/10W (V444/V555)
R260	1-216-022-00	METAL CHIP	75	5%	1/10W (V444/V555)
R261	1-216-022-00	METAL CHIP	75	5%	1/10W (V444/V555)
R262	1-216-022-00	METAL CHIP	75	5%	1/10W (V444/V555)
R263	1-216-022-00	METAL CHIP	75	5%	1/10W (V444/V555)
R264	1-216-022-00	METAL CHIP	75	5%	1/10W (V444/V555)
R265	1-216-022-00	METAL CHIP	75	5%	1/10W (V444/V555)
R266	1-216-049-91	RES-CHIP	1K	5%	1/10W (V444/V555)
R267	1-216-049-91	RES-CHIP	1K	5%	1/10W (V444/V555)
R268	1-216-049-91	RES-CHIP	1K	5%	1/10W (V444/V555)
R271	1-216-022-00	METAL CHIP	75	5%	1/10W (V444/V555)
R272	1-216-121-91	RES-CHIP	1M	5%	1/10W (V444/V555)
R273	1-216-121-91	RES-CHIP	1M	5%	1/10W (V444/V555)
R274	1-216-121-91	RES-CHIP	1M	5%	1/10W (V444/V555)
R275	1-216-022-00	METAL CHIP	75	5%	1/10W (V444/V555)
R280	1-216-022-00	METAL CHIP	75	5%	1/10W
**********					
	A-4475-203-A	DC BOARD, COMPLETE(V555(GOLD))			
		**********			
	A-4473-653-A	DC BOARD, COMPLETE(V333)			
		**********			
	A-4473-454-A	DC BOARD, COMPLETE(V444/V555(BLACK))			
		**********			
	1-533-399-	HOLDER, FUSE			
		< CAPACITOR >			
C801	1-136-287-11	MYLAR	0.0047uF	10.00%	100V
C802	1-136-287-11	MYLAR	0.0047uF	10.00%	100V
C803	1-125-900-12	ELECT	15000uF	20%	71V (V333)
C803	1-135-926-11	CAP, ELECT	18000uF	20%	10V (V444/V555)
C804	1-135-926-11	CAP, ELECT	18000uF	20%	10V (V444/V555)
C804	1-125-900-12	ELECT	15000uF	20%	71V (V333)
C805	1-126-967-11	ELECT	47uF	20.00%	50V
C806	1-136-153-00	FILM	0.01uF	5%	50V
C807	1-136-153-00	FILM	0.01uF	5%	50V
C808	1-127-732-51	ELECT MELF	2200uF	20%	35V
C809	1-127-732-51	ELECT MELF	2200uF	20%	35V
C810	1-136-153-00	FILM	0.01uF	5%	50V
C811	1-136-153-00	FILM	0.01uF	5%	50V
C812	1-126-967-11	ELECT	47uF	20.00%	50V
C815	1-128-553-11	ELECT	220uF	20.00%	63V
C816	1-126-967-11	ELECT	47uF	20.00%	50V
C822	1-136-921-11	MYLAR	1uF	5.00%	50V
C823	1-127-723-51	ELECT MELF	4700uF	20%	16V
C824	1-127-721-11	ELECT	1000uF	20%	16V
		< CONNECTOR >			
CNP801	1-784-926-11	PIN, CONNECTOR 11P			
CNP802	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CNP803	1-785-102-11	PIN, CONNECTOR 4P			
CNP804	1-691-769-11	PLUG (MICRO CONNECTOR) 7P			
CNP903	1-785-103-11	PIN, CONNECTOR 5P			
		< DIODE >			
D801	8-719-302-38	DIODE RBV-602-01			
D802	8-719-302-38	DIODE RBV-602-01			
D803	8-719-200-82	DIODE 11ES2-TB5			
D804	8-719-200-82	DIODE 11ES2-TB5			
D805	8-719-200-82	DIODE 11ES2-TB5			
D806	8-719-200-82	DIODE 11ES2-TB5			
D807	8-719-200-82	DIODE 11ES2-TB5			
D808	8-719-200-82	DIODE 11ES2-TB5			
D809	8-719-200-82	DIODE 11ES2-TB5			
D810	8-719-200-82	DIODE 11ES2-TB5			
D811	8-719-057-00	DIODE UDZ-TE-17-36B			
D812	8-719-200-82	DIODE 11ES2-TB5			

DC DIGITAL

Ref. No.	Part No.	Description			Remark
D813	8-719-200-82	DIODE 11ES2-TB5			
D814	8-719-422-12	DIODE UDZ-TE-17-3.9B(V555(GOLD))			
D816	8-719-070-30	DIODE PTZ-TE25-5.6A			
		< FUSE >			
⚠F801	1-533-312-11	FUSE, GLASS CYLINDRICAL(DIA.5) 10A/125V (US,CND,E,PX,EA,TW,CH)			
⚠F802	1-533-312-11	FUSE, GLASS CYLINDRICAL(DIA.5) 10A/125V (US,CND,E,PX,EA,TW,CH)			
⚠F805	1-533-419-11	FUSE, GLASS CYLINDRICAL(DIA.5) 4A/125V (US,CND,TW)			
⚠F805	1-532-504-51	FUSE T4.0AL/250V(EXCEPT US,CND,TW)			
⚠F806	1-533-419-11	FUSE, GLASS CYLINDRICAL(DIA.5) 4A/125V (US,CND,TW)			
⚠F806	1-532-504-51	FUSE T4.0AL/250V(EXCEPT US,CND,TW)			
		< TRANSISTOR >			
Q801	8-729-140-96	TRANSISTOR 2SD774-T-34			
		< RESISTOR >			
R801	1-216-061-00	METAL CHIP	3.3K	5% 1/10W	
⚠R802	1-249-401-11	CARBON	47	5% 1/4W	F
R803	1-216-081-00	METAL CHIP	22K	5% 1/10W	
⚠R804	1-260-292-11	CARBON	1	5% 1/2W	
⚠R805	1-260-292-11	CARBON	1	5% 1/2W	
⚠R806	1-249-381-11	CARBON	1	5% 1/4W	F
⚠R807	1-249-381-11	CARBON	1	5% 1/4W	F
⚠R808	1-249-407-11	CARBON	150	5% 1/4W	F
		< SWITCH >			
S902	1-771-876-11	SWITCH, POWER(IMPEDANCE SELECTOR)			
**********					
	A-4473-475-A	DIGITAL BOARD, COMPLETE ********** (V444/V555:US,CND,E,PX,EA,TW,CH)			
	A-4473-518-A	DIGITAL BOARD, COMPLETE(V333) **********			
	A-4473-484-A	DIGITAL BOARD, COMPLETE ********** (V555: AEP,UK,CIS,AUS,EE,MY,SP,HK)			
	7-685-646-79	SCREW +BVTP	3X8	TYPE2 IT-3	
		< CAPACITOR >			
C417	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C1201	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C1202	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
C1203	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C1204	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V	
C1205	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V	
C1206	1-119-824-11	ELECT MELF	10uF	20% 50V	
C1207	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C1208	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C1209	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C1210	1-165-319-11	CERAMIC CHIP	0.1uF	50V	

Ref. No.	Part No.	Description			Remark
C1211	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1212	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C1301	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1302	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1303	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1304	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1305	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1306	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1308	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1309	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1310	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1311	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1312	1-128-840-11	ELECT	47uF	20%	16V
C1313	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1314	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1315	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1317	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1318	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1319	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1320	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1321	1-128-840-11	ELECT	47uF	20%	16V
C1322	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1323	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1324	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1325	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1326	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1327	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1328	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1329	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C1330	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C1331	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C1332	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1333	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1334	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1335	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1336	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1337	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1338	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1339	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1344	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C1345	1-128-840-11	ELECT	47uF	20%	16V
C1346	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1347	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1348	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C1349	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1350	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1351	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C1352	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1353	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1365	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1375	1-163-275-11	CERAMIC CHIP	0.001uF	5.00%	50V
C1376	1-163-275-11	CERAMIC CHIP	0.001uF	5.00%	50V
C1377	1-163-275-11	CERAMIC CHIP	0.001uF	5.00%	50V
C1401	1-163-235-11	CERAMIC CHIP	22PF	5.00%	50V
C1402	1-163-275-11	CERAMIC CHIP	0.001uF	5.00%	50V
C1403	1-165-319-11	CERAMIC CHIP	0.1uF		50V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description			Remark
C1404	1-128-854-11	ELECT	0.47uF	20%	50V
C1405	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1406	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1407	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1408	1-126-957-11	ELECT	0.22uF	20.00%	50V
C1409	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C1410	1-119-824-11	ELECT MELF	10uF	20%	50V
C1411	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1412	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1413	1-131-658-11	ELECT	1000uF	20%	63V
C1417	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1418	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1419	1-127-718-91	ELECT MELF	100uF	20%	16V
C1420	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1421	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1422	1-119-793-11	ELECT	1000uF	20.00%	16V
C1423	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1424	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1425	1-127-718-91	ELECT MELF	100uF	20%	16V
C1426	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1427	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1428	1-127-718-91	ELECT MELF	100uF	20%	16V
C1429	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1430	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1431	1-131-658-11	ELECT	1000uF	20%	63V
C1432	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1433	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1434	1-127-718-91	ELECT MELF	100uF	20%	16V
C1435	1-137-429-11	MYLAR	270PF	5.00%	50V
C1436	1-128-844-11	ELECT	33uF	20%	25V
C1437	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1438	1-137-457-11	MYLAR	0.0027uF	5.00%	50V
C1439	1-128-844-11	ELECT	33uF	20%	25V
C1440	1-128-844-11	ELECT	33uF	20%	25V
C1441	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1442	1-137-429-11	MYLAR	270PF	5.00%	50V
C1444	1-137-457-11	MYLAR	0.0027uF	5.00%	50V
C1446	1-128-844-11	ELECT	33uF	20%	25V
C1447	1-119-824-11	ELECT MELF	10uF	20%	50V
C1448	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1449	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1450	1-119-824-11	ELECT MELF	10uF	20%	50V
C1451	1-119-824-11	ELECT MELF	10uF	20%	50V
C1453	1-137-429-11	MYLAR	270PF	5.00%	50V
C1455	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1456	1-137-457-11	MYLAR	0.0027uF	5.00%	50V
C1457	1-128-844-11	ELECT	33uF	20%	25V
C1459	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1460	1-137-429-11	MYLAR	270PF	5.00%	50V
C1462	1-137-457-11	MYLAR	0.0027uF	5.00%	50V
C1464	1-128-844-11	ELECT	33uF	20%	25V
C1467	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1468	1-119-824-11	ELECT MELF	10uF	20%	50V
C1471	1-137-429-11	MYLAR	270PF	5.00%	50V
C1473	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1474	1-137-457-11	MYLAR	0.0027uF	5.00%	50V
C1475	1-128-844-11	ELECT	33uF	20%	25V
C1477	1-165-319-11	CERAMIC CHIP	0.1uF		50V

Ref. No.	Part No.	Description			Remark
C1478	1-137-429-11	MYLAR	270PF	5.00%	50V
C1480	1-137-457-11	MYLAR	0.0027uF	5.00%	50V
C1482	1-128-844-11	ELECT	33uF	20%	25V
C1489	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1490	1-137-365-11	MYLAR	0.0015uF	5.00%	50V
C1491	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1492	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1493	1-137-365-11	MYLAR	0.0015uF	5.00%	50V
C1494	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1495	1-119-824-11	ELECT MELF	10uF	20%	50V
C1496	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1497	1-119-824-11	ELECT MELF	10uF	20%	50V
C1498	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1499	1-119-824-11	ELECT MELF	10uF	20%	50V
C1500	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1501	1-119-824-11	ELECT MELF	10uF	20%	50V
C1502	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1503	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1504	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1505	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V (AEP,UK,CIS,AUS,EA,MY,SP,HK)
C1506	1-163-249-11	CERAMIC CHIP	82PF	5.00%	50V (AEP,UK,CIS,AUS,EE,MY,SP,HK)
C1507	1-119-821-11	ELECT MELF	2.2uF	20%	50V (AEP,UK,CIS,AUS,EE,MY,SP,HK)
C1508	1-119-824-11	ELECT MELF	10uF	20%	50V (AEP,UK,CIS,AUS,EE,MY,SP,HK)
C1509	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V (AEP,UK,CIS,AUS,EE,MY,SP,HK)
C1510	1-163-135-00	CERAMIC CHIP	560PF	5%	50V (AEP,UK,CIS,AUS,EE,MY,SP,HK)
C1511	1-163-263-11	CERAMIC CHIP	330PF	5.00%	50V (AEP,UK,CIS,AUS,EE,MY,SP,HK)

< CONNECTOR >

CNP401	1-784-926-11	PIN, CONNECTOR 11P(V444/V555)	
CNP401	1-784-923-11	PIN, CONNECTOR 7P(V333)	
CNP403	1-779-799-11	PIN, CONNECTOR 9P	
* CNP404	1-564-709-11	PIN, CONNECTOR (SMALL TYPE) 7P	
CNP405	1-573-852-11	CONNECTOR, BOARD TO BOARD 20P	
CNP406	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P	
CNP407	1-573-852-11	CONNECTOR, BOARD TO BOARD 20P	
CNP409	1-784-925-11	PIN, CONNECTOR 10P	
CNS401	1-784-778-11	CONNECTOR, FFC 17P	
CNS404	1-563-618-11	CONNECTOR, FLEXIBLE 15P	

< DIODE >

D1201	8-719-801-78	DIODE 1SS184-TE85L
D1202	8-719-988-61	DIODE 1SS355TE-17
D1203	8-719-801-78	DIODE 1SS184-TE85L
D1204	8-719-801-78	DIODE 1SS184-TE85L
D1205	8-719-988-61	DIODE 1SS355TE-17
D1302	8-719-988-61	DIODE 1SS355TE-17
D1401	8-719-820-05	DIODE 1SS181-TE85L
D1402	8-719-820-05	DIODE 1SS181-TE85L
D1403	8-719-200-82	DIODE 11ES2-TB5
D1404	8-719-200-82	DIODE 11ES2-TB5
D1405	8-719-820-05	DIODE 1SS181-TE85L
D1406	8-719-988-61	DIODE 1SS355TE-17

DIGITAL

Ref. No.	Part No.	Description	Remark
		< FERRITE BEAD >	
FB1301	1-414-813-11	FERRITE 0uH	
FB1302	1-414-813-11	FERRITE 0uH	
FB1303	1-414-813-11	FERRITE 0uH	
FB1304	1-414-813-11	FERRITE 0uH	
FB1307	1-414-813-11	FERRITE 0uH	
FB1308	1-414-813-11	FERRITE 0uH	
FB1401	1-410-397-21	FERRITE BEAD INDUCTOR	
FB1402	1-410-397-21	FERRITE BEAD INDUCTOR	
FB1403	1-500-425-11	FERRITE 0uH	
FB1404	1-414-813-11	FERRITE 0uH	
FB1405	1-414-813-11	FERRITE 0uH	
		< IC >	
IC1201	8-759-666-21	IC MB90574PFV-G-295-BND	
IC1301	8-759-186-30	IC TC74VHC14F(EL)	
IC1302	8-759-035-90	IC TC7S02F(TE85R)	
IC1303	8-759-586-22	IC TC74LVX4245FS(EL)	
IC1304	8-752-391-87	IC CXD2712R	
IC1305	8-752-391-87	IC CXD2712R	
IC1306	8-759-672-30	IC IDT71V124SA15PH-TL	
IC1307	8-759-672-30	IC IDT71V124SA15PH-TL	
IC1308	8-759-538-16	IC IDT71V016S15PH-AUTL	
IC1309	8-759-524-32	IC TC74VHC367FT(EL)	
IC1310	8-759-242-70	IC TC7WU04F(TE12R)	
IC1311	8-759-643-42	IC CXD9511AQ	
IC1314	8-759-639-35	IC LC89055W-RA8	
IC1402	8-759-544-04	IC NJM2103M-TE2	
IC1403	8-759-647-10	IC uPC2933HF	
IC1405	8-759-231-53	IC M5F7805L	
IC1406	8-759-647-11	IC uPC2905HF	
IC1407	8-759-231-53	IC M5F7805L	
IC1408	8-759-245-79	IC M5F7905L	
IC1409	8-759-231-58	IC M5F7812L	
IC1410	8-759-231-53	IC M5F7805L	
IC1411	8-759-636-55	IC M5218AFP-T1	
IC1412	8-759-668-80	IC PCM1600Y	
IC1413	8-759-636-55	IC M5218AFP-T1	
IC1415	8-759-636-55	IC M5218AFP-T1	
IC1417	8-759-636-55	IC M5218AFP-T1	
IC1418	8-759-636-55	IC M5218AFP-T1	
IC1419	8-759-462-08	IC AK5352-VF-E2	
IC1420	8-759-557-36	IC BU1924F-E2(AEP,UK,CIS,AUS,EE,MY,SP,HK)	
		< JUMPER RESISTOR >	
JR1401	1-216-295-91	SHORT 0 (AEP,UK,CIS,AUS,EE,MY,SP,HK)	
		< COIL >	
L1401	1-500-425-11	FERRITE 0uH (AEP,UK,CIS,AUS,EE,MY,SP,HK)	
		< TRANSISTOR >	
Q419	8-729-027-23	TRANSISTOR RT1P141C-TP-1	
Q1201	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L	
Q1202	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L	
Q1203	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L	
Q1204	8-729-027-23	TRANSISTOR RT1P141C-TP-1	
Q1401	8-729-026-68	TRANSISTOR 2SD2525(TP)	
Q1402	8-729-140-93	TRANSISTOR 2SB733-T-34	
Q1403	8-729-027-23	TRANSISTOR RT1P141C-TP-1	
Q1404	8-729-140-98	TRANSISTOR 2SD773-T-34	
Q1405	8-729-027-43	TRANSISTOR RT1N141C-TP-1	
Q1406	8-729-027-43	TRANSISTOR RT1N141C-TP-1	
Q1408	8-729-140-93	TRANSISTOR 2SB733-T-34	
Q1409	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q1410	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q1411	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q1412	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q1413	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q1414	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
		< RESISTOR >	
R450	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
R1201	1-216-025-91	RES-CHIP 100 5% 1/10W	
R1202	1-216-025-91	RES-CHIP 100 5% 1/10W	
R1203	1-216-025-91	RES-CHIP 100 5% 1/10W	
R1204	1-216-025-91	RES-CHIP 100 5% 1/10W	
R1205	1-216-065-91	RES-CHIP 4.7K 5% 1/10W	
R1206	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R1207	1-216-025-91	RES-CHIP 100 5% 1/10W	
R1208	1-216-049-91	RES-CHIP 1K 5% 1/10W	
R1209	1-216-049-91	RES-CHIP 1K 5% 1/10W	
R1210	1-216-049-91	RES-CHIP 1K 5% 1/10W	
R1211	1-216-049-91	RES-CHIP 1K 5% 1/10W	
R1212	1-216-049-91	RES-CHIP 1K 5% 1/10W	
R1213	1-216-065-91	RES-CHIP 4.7K 5% 1/10W	
R1214	1-216-065-91	RES-CHIP 4.7K 5% 1/10W	
R1215	1-216-065-91	RES-CHIP 4.7K 5% 1/10W	
R1216	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
R1217	1-216-065-91	RES-CHIP 4.7K 5% 1/10W	
R1218	1-216-065-91	RES-CHIP 4.7K 5% 1/10W	
R1219	1-216-065-91	RES-CHIP 4.7K 5% 1/10W	
R1220	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R1221	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R1222	1-216-105-91	RES-CHIP 220K 5% 1/10W	
R1223	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R1224	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R1225	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R1226	1-216-037-00	METAL CHIP 330 5% 1/10W	
R1227	1-216-037-00	METAL CHIP 330 5% 1/10W	
R1228	1-216-037-00	METAL CHIP 330 5% 1/10W	
R1229	1-216-037-00	METAL CHIP 330 5% 1/10W	
R1230	1-216-037-00	METAL CHIP 330 5% 1/10W	
R1231	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R1232	1-216-049-91	RES-CHIP 1K 5% 1/10W	
R1233	1-216-049-91	RES-CHIP 1K 5% 1/10W	
R1234	1-216-049-91	RES-CHIP 1K 5% 1/10W	
R1235	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R1236	1-216-065-91	RES-CHIP 4.7K 5% 1/10W	
R1237	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R1238	1-216-065-91	RES-CHIP 4.7K 5% 1/10W	
R1239	1-216-037-00	METAL CHIP 330 5% 1/10W	
R1240	1-216-037-00	METAL CHIP 330 5% 1/10W	

Ref. No.	Part No.	Description			Remark
R1241	1-216-037-00	METAL CHIP	330	5%	1/10W
R1242	1-216-037-00	METAL CHIP	330	5%	1/10W
R1243	1-216-037-00	METAL CHIP	330	5%	1/10W
R1244	1-216-097-91	RES-CHIP	100K	5%	1/10W
R1245	1-216-037-00	METAL CHIP	330	5%	1/10W
R1246	1-216-037-00	METAL CHIP	330	5%	1/10W
R1247	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1248	1-216-037-00	METAL CHIP	330	5%	1/10W
R1249	1-216-025-91	RES-CHIP	100	5%	1/10W
					(V444/V555)
R1250	1-216-049-91	RES-CHIP	1K	5%	1/10W
					(V444/V555)
R1251	1-216-049-91	RES-CHIP	1K	5%	1/10W
					(V444/V555)
R1252	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1253	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1254	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1255	1-216-049-91	RES-CHIP	1K	5%	1/10W
					(V444/V555)
R1256	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1257	1-216-037-00	METAL CHIP	330	5%	1/10W
R1258	1-216-037-00	METAL CHIP	330	5%	1/10W
R1259	1-216-037-00	METAL CHIP	330	5%	1/10W
R1260	1-216-037-00	METAL CHIP	330	5%	1/10W
R1261	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1262	1-216-037-00	METAL CHIP	330	5%	1/10W
R1263	1-216-037-00	METAL CHIP	330	5%	1/10W
R1264	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1265	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R1266	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R1267	1-216-037-00	METAL CHIP	330	5%	1/10W
R1268	1-216-037-00	METAL CHIP	330	5%	1/10W
R1269	1-216-037-00	METAL CHIP	330	5%	1/10W
R1270	1-216-037-00	METAL CHIP	330	5%	1/10W
R1271	1-216-037-00	METAL CHIP	330	5%	1/10W
R1272	1-216-037-00	METAL CHIP	330	5%	1/10W
R1273	1-216-037-00	METAL CHIP	330	5%	1/10W
R1274	1-216-037-00	METAL CHIP	330	5%	1/10W
R1275	1-216-037-00	METAL CHIP	330	5%	1/10W
R1276	1-216-037-00	METAL CHIP	330	5%	1/10W
R1277	1-216-037-00	METAL CHIP	330	5%	1/10W
R1278	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1279	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
					(V444/V555)
R1280	1-216-037-00	METAL CHIP	330	5%	1/10W
R1281	1-216-037-00	METAL CHIP	330	5%	1/10W
R1282	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1283	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1284	1-216-037-00	METAL CHIP	330	5%	1/10W
R1285	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1301	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1302	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1303	1-216-037-00	METAL CHIP	330	5%	1/10W
R1304	1-216-025-91	RES-CHIP	100	5%	1/10W
R1305	1-216-025-91	RES-CHIP	100	5%	1/10W
R1306	1-216-025-91	RES-CHIP	100	5%	1/10W
R1307	1-216-025-91	RES-CHIP	100	5%	1/10W
R1308	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1309	1-216-025-91	RES-CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1310	1-216-025-91	RES-CHIP	100	5%	1/10W
R1311	1-216-025-91	RES-CHIP	100	5%	1/10W
R1312	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1313	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1314	1-216-025-91	RES-CHIP	100	5%	1/10W
R1315	1-216-025-91	RES-CHIP	100	5%	1/10W
R1316	1-216-025-91	RES-CHIP	100	5%	1/10W
R1317	1-216-025-91	RES-CHIP	100	5%	1/10W
R1318	1-216-025-91	RES-CHIP	100	5%	1/10W
R1319	1-216-121-91	RES-CHIP	1M	5%	1/10W
R1320	1-216-043-91	RES-CHIP	560	5%	1/10W
R1321	1-216-025-91	RES-CHIP	100	5%	1/10W
R1322	1-216-025-91	RES-CHIP	100	5%	1/10W
R1323	1-216-025-91	RES-CHIP	100	5%	1/10W
R1328	1-216-066-00	METAL CHIP	5.1K	5%	1/10W
R1329	1-216-022-00	METAL CHIP	75	5%	1/10W
R1330	1-216-066-00	METAL CHIP	5.1K	5%	1/10W
R1331	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R1332	1-216-037-00	METAL CHIP	330	5%	1/10W
R1333	1-216-037-00	METAL CHIP	330	5%	1/10W
R1334	1-216-025-91	RES-CHIP	100	5%	1/10W
R1335	1-216-025-91	RES-CHIP	100	5%	1/10W
R1336	1-216-121-91	RES-CHIP	1M	5%	1/10W
R1337	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1338	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1339	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1346	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1352	1-216-025-91	RES-CHIP	100	5%	1/10W
R1353	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1354	1-216-025-91	RES-CHIP	100	5%	1/10W
R1355	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1356	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1359	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1360	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1362	1-216-037-00	METAL CHIP	330	5%	1/10W
R1401	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1402	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1403	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1404	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1405	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1406	1-216-084-00	METAL CHIP	30K	5%	1/10W
R1407	1-216-075-00	METAL CHIP	12K	5%	1/10W
R1408	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1409	1-208-810-11	RES-CHIP	15K	2%	1/10W
R1410	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1411	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1412	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R1413	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1414	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1415	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1416	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1417	1-208-810-11	RES-CHIP	15K	2%	1/10W
R1418	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1419	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R1420	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1421	1-220-753-11	CEMENTED	6.8	5%	5W
R1422	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1423	1-208-810-11	RES-CHIP	15K	2%	1/10W

Ref. No.	Part No.	Description			Remark
R1424	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1425	1-216-025-91	RES-CHIP	100	5%	1/10W
R1426	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1427	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R1428	1-216-025-91	RES-CHIP	100	5%	1/10W
R1429	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1430	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1431	1-208-810-11	RES-CHIP	15K	2%	1/10W
R1432	1-216-025-91	RES-CHIP	100	5%	1/10W
R1433	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R1434	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1435	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1436	1-218-760-11	RES-CHIP	220K	2%	1/10W
R1437	1-208-810-11	RES-CHIP	15K	2%	1/10W
R1438	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1439	1-216-025-91	RES-CHIP	100	5%	1/10W
R1440	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1441	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R1442	1-216-025-91	RES-CHIP	100	5%	1/10W
R1443	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1444	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1445	1-208-810-11	RES-CHIP	15K	2%	1/10W
R1446	1-216-025-91	RES-CHIP	100	5%	1/10W
R1447	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R1448	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1449	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1450	1-218-760-11	RES-CHIP	220K	2%	1/10W
R1453	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1454	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1455	1-208-425-41	RES-CHIP	330	2%	1/10W
R1456	1-208-812-11	RES-CHIP	18K	2%	1/10W
R1457	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1458	1-208-425-41	RES-CHIP	330	2%	1/10W
R1459	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1460	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1461	1-208-425-41	RES-CHIP	330	2%	1/10W
R1462	1-208-812-11	RES-CHIP	18K	2%	1/10W
R1463	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1464	1-208-425-41	RES-CHIP	330	2%	1/10W
R1465	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1466	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1467	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1468	1-216-025-91	RES-CHIP	100	5%	1/10W
R1469	1-208-425-41	RES-CHIP	330	2%	1/10W
R1470	1-208-425-41	RES-CHIP	330	2%	1/10W
R1471	1-216-025-91	RES-CHIP	100	5%	1/10W
			(AEP,UK,CIS,AUS,EE,MY,SP,HK)		
R1472	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
			(AEP,UK,CIS,AUS,EE,MY,SP,HK)		
R1473	1-216-025-91	RES-CHIP	100	5%	1/10W
			(AEP,UK,CIS,AUS,EE,MY,SP,HK)		
R1474	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R1475	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R1476	1-216-025-91	RES-CHIP	100	5%	1/10W
R1477	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1479	1-216-065-91	RES-CHIP	4.7K	5%	1/10W

Ref. No.	Part No.	Description			Remark
		< VIBRATOR >			
X1201	1-781-356-21	VIBRATOR, CERAMIC(16MHz)			
X1301	1-781-464-21	VIBRATOR, CERAMIC(10MHz)			
X1302	1-781-464-21	VIBRATOR, CERAMIC(10MHz)			
X1303	1-781-465-21	VIBRATOR, CRYSTAL(12.288MHz)			
X1401	1-781-536-11	VIBRATOR, CRYSTAL(4.33MHz)			
		(AEP,UK,CIS,AUS,EA,MY,SP,HK)			
**********					
	1-678-406-11	DIG-IN/OUT BOARD			
		**********			
		< CAPACITOR >			
C1340	1-128-834-11	ELECT	470uF	20%	10V
C1341	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1342	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V
					(V444/V555)
C1343	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
					(V444/V555)
C1354	1-128-858-11	ELECT	22uF	20%	50V
					(V444/V555)
C1355	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1356	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1357	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1358	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1359	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1360	1-128-858-11	ELECT	22uF	20%	50V
C1362	1-163-033-91	CERAMIC CHIP	0.022uF		50V
					(V444/V555)
C1363	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V
C1364	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
C1366	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1367	1-163-275-11	CERAMIC CHIP	0.001uF	5.00%	50V
C1368	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1369	1-163-033-91	CERAMIC CHIP	0.022uF		50V
					(V333)
C1370	1-126-964-11	ELECT	10uF	20.00%	50V
		< DIODE >			
D1301	8-719-988-61	DIODE 1SS355TE-17			
D1321	8-719-801-78	DIODE 1SS184-TE85L			
D1322	8-719-988-61	DIODE 1SS355TE-17			
		< FERRITE BEAD >			
FB1305	1-414-813-11	FERRITE	0uH		
FB1306	1-414-813-11	FERRITE	0uH		
		< IC >			
IC1312	8-759-233-64	IC TC74HCU04AF(EL)			
IC1313	8-759-236-19	IC TC74HC151AF(EL)			
IC1315	8-749-017-36	IC TORX-179 (DVD/LD OPTICAL IN)			
IC1316	8-749-017-36	IC TORX-179 (TV/SAT OPTICAL IN)			
IC1317	8-749-017-36	IC TORX-179 (CD OPTICAL IN)			
IC1318	8-749-017-36	IC TORX-179 (MD/DAT OPTICAL IN)			
IC1319	8-749-923-04	IC TOTX178A (MD/DAT OPTICAL OUT)			
IC1320	8-759-242-76	IC TC7W08F(TE12R)			

Ref. No.	Part No.	Description			Remark
		< JACK >			
J1301	1-794-434-11	JACK, PIN 2P (CD, DVD/LD COAXIAL IN)			(V444/V555)
J1301	1-784-689-11	JACK, PIN 1P(DVD/LD COAXIAL IN)			(V333)
		< RESISTOR >			
R1284	1-216-037-11	RES-CHIP	330	5%	1/10W
R1324	1-216-115-00	METAL CHIP	560K	5%	1/10W
R1325	1-216-081-00	METAL CHIP	22K	5%	1/10W (V444/V555)
R1326	1-216-049-91	RES-CHIP	1K	5%	1/10W (V444/V555)
R1327	1-216-025-91	RES-CHIP	100	5%	1/10W (V444/V555)
R1341	1-216-022-00	METAL CHIP	75	5%	1/10W (V444/V555)
R1342	1-216-025-91	RES-CHIP	100	5%	1/10W
R1343	1-216-025-91	RES-CHIP	100	5%	1/10W
R1344	1-216-025-91	RES-CHIP	100	5%	1/10W
R1345	1-216-025-91	RES-CHIP	100	5%	1/10W
R1347	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1348	1-216-022-00	METAL CHIP	75	5%	1/10W
R1349	1-216-115-00	METAL CHIP	560K	5%	1/10W
R1350	1-216-081-00	METAL CHIP	22K	5%	1/10W
R1351	1-216-025-91	RES-CHIP	100	5%	1/10W
R1357	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1358	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1361	1-216-025-91	RES-CHIP	100	5%	1/10W
**********					
	A-4473-487-A	DISPLAY BOARD, COMPLETE			
		**********			
		(AEP,UK,CIS,AUS,EE,MY,SP,HK)			
	A-4473-514-A	DISPLAY BOARD, COMPLETE(V333)			
		**********			
	A-4473-457-A	DISPLAY BOARD, COMPLETE			
		**********			
		(V444/V555:US,CND)			
	A-4473-509-A	DISPLAY BOARD, COMPLETE(TW)			
		**********			
	A-4473-511-A	DISPLAY BOARD, COMPLETE(CH)			
		**********			
	A-4473-490-A	DISPLAY BOARD, COMPLETE(E,PX,EA)			
		**********			
	4-228-836-01	HOLDER, FL TUBE			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C101	1-104-664-11	ELECT	47uF	20.00%	16V
C102	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C104	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C105	1-104-905-11	CAPACITOR	0.22F		5.5V
C106	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C107	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C108	1-104-664-11	ELECT	47uF	20.00%	16V

Ref. No.	Part No.	Description			Remark
C109	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C110	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C111	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C112	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C113	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C114	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C115	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C116	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C118	1-109-982-11	CERAMIC CHIP	1uF	10.00%	10V
C121	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C122	1-164-299-11	CERAMIC CHIP	0.22uF	10.00%	25V
C123	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C124	1-104-664-11	ELECT	47uF	20.00%	16V
C125	1-126-926-11	ELECT	1000uF	20.00%	6.3V
C126	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C127	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C128	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C129	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C130	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C131	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C132	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C133	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C134	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C135	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C136	1-104-664-11	ELECT	47uF	20.00%	16V
C137	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C139	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
		< CONNECTOR >			
CNS101	1-784-778-11	CONNECTOR, FFC 17P			
CNS102	1-770-398-11	HOUSING, CONNECTOR(PC BOARD)5P			
CNS104	1-568-826-11	CONNECTOR, FFC 7P(EXCEPT US,CND)			
CNS104	1-784-774-11	CONNECTOR, FFC 13P(US,CND)			
		< DIODE >			
D101	8-719-988-61	DIODE 1SS355TE-17			
D102	8-719-820-05	DIODE 1SS181-TE85L			
D103	8-719-988-61	DIODE 1SS355TE-17			
D104	8-719-988-61	DIODE 1SS355TE-17			
D106	8-719-988-61	DIODE 1SS355TE-17			
D107	8-719-988-61	DIODE 1SS355TE-17			
D108	8-719-200-82	DIODE 11ES2-TB5			
D109	8-719-075-59	DIODE SELS5B23CTP15			(DIGITAL CINEMA SOUND)
D111	8-719-032-98	DIODE SEL5820A-TP15 (SET UP)			
D112	8-719-032-98	DIODE SEL5820A-TP15 (NAME)			
D113	8-719-032-98	DIODE SEL5820A-TP15 (LEVEL)			
D114	8-719-032-98	DIODE SEL5820A-TP15 (SUR)			
D115	8-719-032-98	DIODE SEL5820A-TP15 (EQ)			
D122	8-719-072-82	DIODE SELU5E20C-STP15			(MULTI CNANNEL DECODING)
D124	8-719-075-86	DIODE SID307BRTP19 (IR EMITTER)			
D125	8-719-075-86	DIODE SID307BRTP19 (IR EMITTER)			
D126	8-719-988-61	DIODE 1SS355TE-17			
D127	8-719-988-61	DIODE 1SS355TE-17			
D128	8-719-059-14	DIODE SID313BP-TP19 (IR EMITTER)			

DISPLAY

Ref. No.	Part No.	Description	Remark
		< FLUORESCENT INDICATOR TUBE >	
FL101	1-517-956-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC101	8-759-459-85	IC NJL63H400A (IR RECEPTOR)	
IC102	8-759-666-31	IC MB90553ABPF-G-168-BND	
IC103	8-759-589-67	IC BA6208F-E2	
IC104	8-759-666-99	IC TMP87C447U-1F23	
IC105	8-759-235-19	IC TC74HC08AF(EL)	
		< JACK >	
J102	1-764-190-21	JACK, PIN 3P(VIDEO 3 INPUT)	
		< JUMPER RESISTOR >	
JW101	1-216-296-91	SHORT 0(US,CND,E,PX,EA,TW,CH)	
JW102	1-216-296-91	SHORT 0(US,CND,E,PX,EA,TW,CH)	
JW103	1-216-296-91	SHORT 0(US,CND,E,PX,EA,TW,CH)	
JW104	1-216-296-91	SHORT 0(EXCEPT US,CND)	
JW105	1-216-296-91	SHORT 0(EXCEPT US,CND)	
JW106	1-216-296-91	SHORT 0(EXCEPT US,CND)	
JW107	1-216-296-91	SHORT 0 (AEP,UK,CIS,AUS,EE,MY,SP,HK)	
JW108	1-216-296-91	SHORT 0(E,PX,EA)	
JW109	1-216-296-91	SHORT 0(TW)	
JW110	1-216-296-91	SHORT 0(CH)	
JW112	1-216-296-91	SHORT 0(V333)	
JW251	1-216-296-91	SHORT 0	
JW252	1-216-296-91	SHORT 0	
JW253	1-216-296-91	SHORT 0	
JW254	1-216-296-91	SHORT 0	
JW255	1-216-296-91	SHORT 0	
JW256	1-216-296-91	SHORT 0	
JW257	1-216-296-91	SHORT 0	
JW258	1-216-296-91	SHORT 0	
JW259	1-216-296-91	SHORT 0	
JW261	1-216-296-91	SHORT 0	
JW262	1-216-296-91	SHORT 0	
JW263	1-216-295-91	SHORT 0	
JW264	1-216-295-91	SHORT 0	
JW265	1-216-296-91	SHORT 0	
JW266	1-216-296-91	SHORT 0	
JW267	1-216-295-91	SHORT 0	
JW268	1-216-296-91	SHORT 0	
JW269	1-216-296-91	SHORT 0	
JW270	1-216-296-91	SHORT 0	
JW290	1-216-295-91	SHORT 0	
		< TRANSISTOR >	
Q102	8-729-027-23	TRANSISTOR RT1P141C-TP-1	
Q103	8-729-027-43	TRANSISTOR RT1N141C-TP-1	
Q104	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L	
Q105	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L	
Q106	8-729-027-43	TRANSISTOR RT1N141C-TP-1	
Q129	8-729-801-93	TRANSISTOR 2SD1387-34-TP	
Q130	8-729-801-93	TRANSISTOR 2SD1387-34-TP	

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R100	1-216-049-91	RES-CHIP	1K	5%	1/10W (AEP,UK,CIS,AUS,EE,MY,SP,HK)
R101	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R104	1-216-049-91	RES-CHIP	1K	5%	1/10W
R105	1-216-001-00	METAL CHIP	10	5%	1/10W
R106	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R107	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R108	1-216-037-00	METAL CHIP	330	5%	1/10W (E,PX,EA,TW,CH)
R109	1-216-041-00	METAL CHIP	470	5%	1/10W (TW,CH)
R110	1-216-073-00	METAL CHIP	10K	5%	1/10W
R111	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R112	1-216-073-00	METAL CHIP	10K	5%	1/10W
R113	1-216-073-00	METAL CHIP	10K	5%	1/10W
R114	1-216-001-00	METAL CHIP	10	5%	1/10W
R115	1-216-045-00	METAL CHIP	680	5%	1/10W (CH)
R116	1-216-073-00	METAL CHIP	10K	5%	1/10W
R117	1-216-081-00	METAL CHIP	22K	5%	1/10W
R118	1-216-081-00	METAL CHIP	22K	5%	1/10W
R119	1-216-049-91	RES-CHIP	1K	5%	1/10W
R120	1-216-049-91	RES-CHIP	1K	5%	1/10W
R121	1-216-049-91	RES-CHIP	1K	5%	1/10W
R122	1-216-117-00	METAL CHIP	680K	5%	1/10W
R123	1-216-049-91	RES-CHIP	1K	5%	1/10W
R125	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R126	1-216-073-00	METAL CHIP	10K	5%	1/10W
R127	1-216-073-00	METAL CHIP	10K	5%	1/10W
R128	1-216-025-91	RES-CHIP	100	5%	1/10W (US,CND)
R129	1-216-049-91	RES-CHIP	1K	5%	1/10W
R130	1-216-025-91	RES-CHIP	100	5%	1/10W (US,CND)
R131	1-216-025-91	RES-CHIP	100	5%	1/10W (US,CND)
R132	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R133	1-216-073-00	METAL CHIP	10K	5%	1/10W
R134	1-216-025-91	RES-CHIP	100	5%	1/10W (US,CND)
R139	1-216-073-00	METAL CHIP	10K	5%	1/10W
R140	1-216-037-00	METAL CHIP	330	5%	1/10W
R141	1-216-041-00	METAL CHIP	470	5%	1/10W
R142	1-216-045-00	METAL CHIP	680	5%	1/10W
R143	1-216-049-91	RES-CHIP	1K	5%	1/10W
R144	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R145	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R146	1-216-073-00	METAL CHIP	10K	5%	1/10W
R147	1-216-049-91	RES-CHIP	1K	5%	1/10W
R148	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R149	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R150	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R151	1-216-041-00	METAL CHIP	470	5%	1/10W
R152	1-216-045-00	METAL CHIP	680	5%	1/10W
R153	1-216-037-00	METAL CHIP	330	5%	1/10W
R154	1-216-041-00	METAL CHIP	470	5%	1/10W
R155	1-216-045-00	METAL CHIP	680	5%	1/10W

Ref. No.	Part No.	Description			Remark
R156	1-216-049-91	RES-CHIP	1K	5%	1/10W
R161	1-216-049-91	RES-CHIP	1K	5%	1/10W
R162	1-216-049-91	RES-CHIP	1K	5%	1/10W
R163	1-216-073-00	METAL CHIP	10K	5%	1/10W
R164	1-216-097-91	RES-CHIP	100K	5%	1/10W
R165	1-216-073-00	METAL CHIP	10K	5%	1/10W
R166	1-216-073-00	METAL CHIP	10K	5%	1/10W
R167	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R168	1-216-049-91	RES-CHIP	1K	5%	1/10W
R169	1-216-049-91	RES-CHIP	1K	5%	1/10W
R170	1-216-049-91	RES-CHIP	1K	5%	1/10W
R171	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R172	1-216-037-00	METAL CHIP	330	5%	1/10W
R173	1-216-097-91	RES-CHIP	100K	5%	1/10W
R174	1-216-073-00	METAL CHIP	10K	5%	1/10W
R175	1-216-041-00	METAL CHIP	470	5%	1/10W
R176	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R177	1-216-049-91	RES-CHIP	1K	5%	1/10W
R178	1-216-037-00	METAL CHIP	330	5%	1/10W
R179	1-216-045-00	METAL CHIP	680	5%	1/10W
R180	1-216-073-00	METAL CHIP	10K	5%	1/10W
R181	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R182	1-216-073-00	METAL CHIP	10K	5%	1/10W
R183	1-216-049-91	RES-CHIP	1K	5%	1/10W
R184	1-216-073-00	METAL CHIP	10K	5%	1/10W
R185	1-216-073-00	METAL CHIP	10K	5%	1/10W
R186	1-216-073-00	METAL CHIP	10K	5%	1/10W
R187	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R189	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R191	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R192	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
⚠R193	1-249-385-11	CARBON	2.2	5%	1/6W F
R194	1-216-037-00	METAL CHIP	330	5%	1/10W
R195	1-216-037-00	METAL CHIP	330	5%	1/10W
R196	1-216-025-91	RES-CHIP	100	5%	1/10W
R197	1-216-025-91	RES-CHIP	100	5%	1/10W
R198	1-216-025-91	RES-CHIP	100	5%	1/10W
⚠R199	1-249-385-11	CARBON	2.2	5%	1/6W F
R1101	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1102	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1103	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1104	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1105	1-216-037-00	METAL CHIP	330	5%	1/10W
R1106	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1107	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1108	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1109	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1110	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1111	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1112	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1113	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1114	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1115	1-216-049-91	RES-CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1116	1-216-049-91	RES-CHIP	1K	5%	1/10W (AEP,UK,CIS,AUS,EE,MY,SP,HK)
R1117	1-216-049-91	RES-CHIP	1K	5%	1/10W (AEP,UK,CIS,AUS,EE,MY,SP,HK)
R1119	1-216-097-91	RES-CHIP	100K	5%	1/10
R1120	1-216-049-91	RES-CHIP	1K	5%	1/10W
		< VARIABLE RESISTOR >			
RV102	1-418-921-11	ENCODER, ROTARY(JOG DIAL)			
		< SWITCH >			
S101	1-771-349-21	SWITCH, KEYBOARD(I/⏻)			
S103	1-771-349-21	SWITCH, KEYBOARD(EQ ON/OFF)			
S104	1-771-349-21	SWITCH, KEYBOARD AEP: (RDS/E ON)			
S104	1-771-349-21	SWITCH, KEYBOARD EXCEPT AEP: (DIMMER)			
S105	1-771-349-21	SWITCH, KEYBOARD(FM MODE)			
S106	1-771-349-21	SWITCH, KEYBOARD (TUNING -)			
S107	1-771-349-21	SWITCH, KEYBOARD(RESET TUNING -)			
S108	1-771-349-21	SWITCH, KEYBOARD(FM/AM)			
S109	1-771-349-21	SWITCH, KEYBOARD(DISPLAY)			
S111	1-771-349-21	SWITCH, KEYBOARD AEP: (PTY)			
S111	1-771-349-21	SWITCH, KEYBOARD EXCEPT AEP: (SLEEP)			
S112	1-771-349-21	SWITCH, KEYBOARD(MEMORY)			
S113	1-771-349-21	SWITCH, KEYBOARD(SET UP)			
S115	1-771-349-21	SWITCH, KEYBOARD(2ND AV)			
S116	1-771-349-21	SWITCH, KEYBOARD(ANALOG DIRECT)			
S117	1-771-349-21	SWITCH, KEYBOARD(2CH)			
S118	1-771-349-21	SWITCH, KEYBOARD(LEVEL)			
S119	1-771-349-21	SWITCH, KEYBOARD(NAME)			
S120	1-771-349-21	SWITCH, KEYBOARD(EQ)			
S121	1-771-349-21	SWITCH, KEYBOARD(<)			
S122	1-771-349-21	SWITCH, KEYBOARD(A.F.D.)			
S123	1-771-349-21	SWITCH, KEYBOARD(CINEMA STUDIO EX)			
S124	1-771-349-21	SWITCH, KEYBOARD(MODE -)			
S125	1-771-349-21	SWITCH, KEYBOARD(OSD ON/OFF)			
S128	1-771-349-21	SWITCH, KEYBOARD(ENTER)			
S129	1-771-349-21	SWITCH, KEYBOARD(MODE +)			
S130	1-771-349-21	SWITCH, KEYBOARD(SUR)			
S131	1-771-349-21	SWITCH, KEYBOARD(>)			
S132	1-771-349-21	SWITCH, KEYBOARD (TUNING +)			
S133	1-771-349-21	SWITCH, KEYBOARD(RESET TUNING +)			
S134	1-771-349-21	SWITCH, KEYBOARD(5.1CH INPUT)			
		< SWITCH >			
SW102	1-762-268-11	SWITCH, ROTARY(SPEAKER)			
		< VIBRATOR >			
X101	1-781-356-21	VIBRATOR, CERAMIC (16 MHz)			
X102	1-767-938-21	VIBRATOR, CERAMIC (7.28MHz)			

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The components identified by mark ⚠ Er dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

FRONT SP | F-VIDEO | HP | INPUT

Ref. No.	Part No.	Description				Remark
	1-677-226-11	FRONT SP BOARD				
		**********				
		< CAPACITOR >				
C511	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C512	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C513	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C561	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C562	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C563	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
		< CONNECTOR >				
* CNP506	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P				
		< DIODE >				
D597	8-719-988-61	DIODE 1SS355TE-17				
D598	8-719-988-61	DIODE 1SS355TE-17				
D599	8-719-988-61	DIODE 1SS355TE-17				
		< COIL >				
L501	1-419-666-11	COIL, AIR-CORE				
L551	1-419-666-11	COIL, AIR-CORE				
		< TRANSISTOR >				
Q597	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L				
Q598	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L				
Q599	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L				
		< RESISTOR >				
R510	1-215-868-31	METAL OXIDE	680	5%	1W	
⚠R511	1-249-389-11	CARBON	4.7	5%	1/4W	F
⚠R512	1-249-393-11	CARBON	10	5%	1/4W	F
			(EXCEPT US,CND,E,PX,EA)			
⚠R513	1-249-393-11	CARBON	10	5%	1/4W	F
			(EXCEPT US,CND,E,PX,EA)			
R560	1-215-868-31	METAL OXIDE	680	5%	1W	
⚠R561	1-249-389-11	CARBON	4.7	5%	1/4W	F
⚠R562	1-249-393-11	CARBON	10	5%	1/4W	F
			(EXCEPT US,CND,E,PX,EA)			
⚠R563	1-249-393-11	CARBON	10	5%	1/4W	F
			(EXCEPT US,CND,E,PX,EA)			
⚠R581	1-249-393-11	CARBON	10	5%	1/4W	F
R582	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R583	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	
⚠R584	1-249-393-11	CARBON	10	5%	1/4W	F
R585	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R586	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	
⚠R587	1-249-393-11	CARBON	10	5%	1/4W	F
R588	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R589	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	

Ref. No.	Part No.	Description				Remark
		< RELAY >				
RY502	1-515-920-11	RELAY (24V)				
RY503	1-515-920-11	RELAY (24V)				
RY504	1-515-793-11	RELAY (24V)				
		< TERMINAL >				
* TM501	1-694-454-21	TERMINAL BOARD (SP) 8P (FRONT SP)				
**********						
	1-677-253-11	F-VIDEO BOARD				
		**********				
		< CAPACITOR >				
C103	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C117	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C138	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V	
C188	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V	
		< CONNECTOR >				
CNP103	1-784-923-11	PIN, CONNECTOR 7P				
		< RESISTOR >				
R135	1-216-022-00	METAL CHIP	75	5%	1/10W	
R136	1-216-022-00	METAL CHIP	75	5%	1/10W	
R137	1-216-022-00	METAL CHIP	75	5%	1/10W	
R138	1-216-049-91	RES-CHIP	1K	5%	1/10W	
R188	1-216-049-91	RES-CHIP	1K	5%	1/10W	
**********						
	1-677-219-11	HP BOARD				
		*******				
		< CONNECTOR >				
CNP101	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P				
* CNP104	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P				
		< JACK >				
J101	1-750-735-11	JACK (LARGE TYPE)(PHONES)				
**********						
	A-4473-459-A	INPUT BOARD, COMPLETE(US,CND,E,PX,EA)				
		**********				
	A-4473-488-A	INPUT BOARD, COMPLETE				
		**********				
					(EXCEPT US,CND,E,PX,EA)	
		< CAPACITOR >				
C301	1-119-821-11	ELECT MELF	2.2uF	20%	50V	
C302	1-163-253-11	CERAMIC CHIP	120PF	5.00%	50V	
C303	1-128-862-91	ELECT	220uF	20%	50V	
C304	1-125-896-91	MYLAR	0.0091uF	5.00%	50V	
C305	1-136-159-00	MYLAR	0.033uF	5.00%	50V	
C306	1-119-821-11	ELECT MELF	2.2uF	20%	50V	
C307	1-164-690-91	CERAMIC CHIP	2200PF	5.00%	50V	
C308	1-163-259-91	CERAMIC CHIP	220PF	5.00%	50V	
C309	1-163-033-91	CERAMIC CHIP	0.022uF		50V	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description				Remark
C312	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C313	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C314	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C315	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C316	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C317	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C318	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C319	1-128-858-11	ELECT	22uF	20%	50V	
C320	1-119-823-11	ELECT	4.7uF	20%	50V	
C330	1-163-033-91	CERAMIC CHIP	0.022uF		50V	
C331	1-163-033-91	CERAMIC CHIP	0.022uF		50V	
C332	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V	
C333	1-163-033-91	CERAMIC CHIP	0.022uF		50V	
C334	1-163-033-91	CERAMIC CHIP	0.022uF		50V	
C335	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V	
C336	1-163-033-91	CERAMIC CHIP	0.022uF		50V	
C337	1-163-033-91	CERAMIC CHIP	0.022uF		50V	
C338	1-163-033-91	CERAMIC CHIP	0.022uF		50V	
C339	1-163-033-91	CERAMIC CHIP	0.022uF		50V	
C340	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V	
C341	1-163-033-91	CERAMIC CHIP	0.022uF		50V	
C342	1-163-033-91	CERAMIC CHIP	0.022uF		50V	
C349	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V	
C351	1-119-821-11	ELECT MELF	2.2uF	20%	50V	
C352	1-163-253-11	CERAMIC CHIP	120PF	5.00%	50V	
C353	1-128-862-91	ELECT	220uF	20%	50V	
C354	1-125-896-91	MYLAR	0.0091uF	5.00%	50V	
C355	1-136-159-00	MYLAR	0.033uF	5.00%	50V	
C356	1-119-821-11	ELECT MELF	2.2uF	20%	50V	
C357	1-164-690-91	CERAMIC CHIP	2200PF	5.00%	50V	
C358	1-163-259-91	CERAMIC CHIP	220PF	5.00%	50V	
C359	1-163-033-91	CERAMIC CHIP	0.022uF		50V	
C360	1-164-690-91	CERAMIC CHIP	2200PF	5.00%	50V	
C362	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C363	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C364	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C365	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C366	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C367	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C368	1-137-503-11	MYLAR	0.0001uF	5.00%	50V	
			(EXCEPT US,CND,E,PX,EA)			
C369	1-128-858-11	ELECT	22uF	20%	50V	
C370	1-119-823-11	ELECT	4.7uF	20%	50V	
C401	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V	
C402	1-119-820-11	ELECT	1uF	20%	50V	
C403	1-128-858-11	ELECT	22uF	20%	50V	
C404	1-128-858-11	ELECT	22uF	20%	50V	

Ref. No.	Part No.	Description			Remark
C405	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C406	1-119-820-11	ELECT	1uF	20%	50V
C407	1-128-858-11	ELECT	22uF	20%	50V
C408	1-128-858-11	ELECT	22uF	20%	50V
C409	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C410	1-119-820-11	ELECT	1uF	20%	50V
C411	1-128-858-11	ELECT	22uF	20%	50V
C412	1-128-858-11	ELECT	22uF	20%	50V
C413	1-128-858-11	ELECT	22uF	20%	50V
C414	1-128-858-11	ELECT	22uF	20%	50V
C415	1-128-858-11	ELECT	22uF	20%	50V
C416	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C420	1-163-033-91	CERAMIC CHIP	0.022uF		50V
C421	1-163-033-91	CERAMIC CHIP	0.022uF		50V
C422	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C423	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C424	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C425	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C430	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C431	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C433	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C451	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C452	1-119-820-11	ELECT	1uF	20%	50V
C453	1-128-858-11	ELECT	22uF	20%	50V
C454	1-128-858-11	ELECT	22uF	20%	50V
C455	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C456	1-119-820-11	ELECT	1uF	20%	50V
C457	1-128-858-11	ELECT	22uF	20%	50V
C459	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C460	1-119-820-11	ELECT	1uF	20%	50V
C461	1-128-858-11	ELECT	22uF	20%	50V
C462	1-128-858-11	ELECT	22uF	20%	50V
C463	1-128-858-11	ELECT	22uF	20%	50V
C464	1-128-858-11	ELECT	22uF	20%	50V
C465	1-128-858-11	ELECT	22uF	20%	50V
C480	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C481	1-136-173-00	MYLAR	0.47uF	5.00%	50V
C482	1-136-173-00	MYLAR	0.47uF	5.00%	50V
C483	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C491	1-127-726-51	ELECT MELF	470uF	20%	25V
C492	1-127-726-51	ELECT MELF	470uF	20%	25V
		< CONNECTOR >			
CNP301	1-784-923-11	PIN, CONNECTOR 7P			
CNP402	1-784-925-11	PIN, CONNECTOR 10P			
CNP408	1-784-921-11	PIN, CONNECTOR 4P			
CNS301	1-784-778-11	CONNECTOR, FFC 17P			
CNS302	1-573-834-11	CONNECTOR, BOARD TO BOARD 20P			
CNS307	1-573-834-11	CONNECTOR, BOARD TO BOARD 20P			
		< DIODE >			
D300	8-719-988-61	DIODE 1SS355TE-17			
D401	8-719-820-05	DIODE 1SS181-TE85L			
D402	8-719-988-61	DIODE 1SS355TE-17			
D403	8-719-988-61	DIODE 1SS355TE-17			
D404	8-719-820-05	DIODE 1SS181-TE85L			

INPUT

Ref. No.	Part No.	Description	Remark
		< TERMINAL >	
* EB301	1-537-738-21	TERMINAL, EARTH	
		< IC >	
IC301	8-759-099-06	IC M5218AFP-TE1	
IC302	8-759-655-96	IC TC9163AF	
IC303	8-759-677-19	IC TC9273F-013(EL)	
IC304	8-759-099-06	IC M5218AFP-TE1	
IC305	8-759-655-97	IC TC9162AF	
IC306	8-759-590-10	IC TC9273F-012(EL)	
IC401	8-759-231-59	IC M5F7815L	
IC402	8-759-245-87	IC M5F7915L	
IC403	8-759-184-02	IC M5218AL-22	
IC404	8-759-184-02	IC M5218AL-22	
IC405	8-759-184-02	IC M5218AL-22	
IC406	8-759-184-02	IC M5218AL-22	
IC407	8-759-184-02	IC M5218AL-22	
IC408	8-759-184-02	IC M5218AL-22	
IC409	8-759-658-33	IC TC9482F(EL)	
IC410	8-759-099-06	IC M5218AFP-TE1	
IC411	8-759-099-06	IC M5218AFP-TE1	
IC412	8-759-099-06	IC M5218AFP-TE1	
		< JACK >	
J301	1-778-517-11	JACK, PIN 6P(PHONO, CD)	
J302	1-784-934-11	JACK, PIN 4P(DAT/MD)	
J303	1-784-934-11	JACK, PIN 4P(TAPE)	
		< TRANSISTOR >	
Q301	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L	
Q401	8-729-107-45	TRANSISTOR 2SC3624A-T1L15L16	
Q403	8-729-107-45	TRANSISTOR 2SC3624A-T1L15L16	
Q405	8-729-107-45	TRANSISTOR 2SC3624A-T1L15L16	
Q411	8-729-027-43	TRANSISTOR RT1N141C-TP-1	
Q412	8-729-027-23	TRANSISTOR RT1P141C-TP-1	
Q413	8-729-027-43	TRANSISTOR RT1N141C-TP-1	
Q414	8-729-027-23	TRANSISTOR RT1P141C-TP-1	
Q415	8-729-027-43	TRANSISTOR RT1N141C-TP-1	
Q416	8-729-027-23	TRANSISTOR RT1P141C-TP-1	
Q417	8-729-027-43	TRANSISTOR RT1N141C-TP-1	
Q418	8-729-027-23	TRANSISTOR RT1P141C-TP-1	
Q451	8-729-107-45	TRANSISTOR 2SC3624A-T1L15L16	
Q453	8-729-107-45	TRANSISTOR 2SC3624A-T1L15L16	
Q455	8-729-107-45	TRANSISTOR 2SC3624A-T1L15L16	
		< RESISTOR >	
R302	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
R303	1-216-697-11	METAL CHIP 82K 0.5% 1/10W	
R304	1-208-764-11	RES-CHIP 180 2% 1/10W	
R305	1-216-673-11	METAL CHIP 8.2K 0.5% 1/10W	
R306	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
R307	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
R308	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
R309	1-208-774-11	RES-CHIP 470 2% 1/10W	
R312	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	(EXCEPT US,CND,E,PX,EA)

Ref. No.	Part No.	Description			Remark
R312	1-208-437-41	RES-CHIP	1K	2%	1/10W (US,CND,E,PX,EA)
R313	1-208-437-41	RES-CHIP	1K	2%	1/10W
R314	1-208-437-41	RES-CHIP	1K	2%	1/10W
R315	1-208-437-41	RES-CHIP	1K	2%	1/10W
R316	1-208-437-41	RES-CHIP	1K	2%	1/10W
R317	1-208-437-41	RES-CHIP	1K	2%	1/10W
R318	1-208-437-41	RES-CHIP	1K	2%	1/10W
R319	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R320	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R321	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R322	1-208-558-41	RES-CHIP	1M	2%	1/10W
R323	1-208-558-41	RES-CHIP	1M	2%	1/10W
R334	1-208-462-41	RES-CHIP	10K	2%	1/10W
R335	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
⚠R336	1-249-393-11	CARBON	10	5%	1/4W F
R352	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R353	1-216-697-11	METAL CHIP	82K	0.5%	1/10W
R354	1-208-764-11	RES-CHIP	180	2%	1/10W
R355	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R356	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R357	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R358	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R359	1-208-774-11	RES-CHIP	470	2%	1/10W
R362	1-208-453-41	RES-CHIP	4.7K	2%	1/10W (EXCEPT US,CND,E,PX,EA)
R362	1-208-437-41	RES-CHIP	1K	2%	1/10W (US,CND,E,PX,EA)
R363	1-208-437-41	RES-CHIP	1K	2%	1/10W
R364	1-208-437-41	RES-CHIP	1K	2%	1/10W
R365	1-208-437-41	RES-CHIP	1K	2%	1/10W
R366	1-208-437-41	RES-CHIP	1K	2%	1/10W
R367	1-208-437-41	RES-CHIP	1K	2%	1/10W
R368	1-208-437-41	RES-CHIP	1K	2%	1/10W
R369	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R370	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R371	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R372	1-208-558-41	RES-CHIP	1M	2%	1/10W
R373	1-208-558-41	RES-CHIP	1M	2%	1/10W
R401	1-208-437-41	RES-CHIP	1K	2%	1/10W
R402	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R403	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R404	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R405	1-218-764-11	RES-CHIP	330K	2%	1/10W
R406	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R407	1-208-462-41	RES-CHIP	10K	2%	1/10W
R408	1-208-462-41	RES-CHIP	10K	2%	1/10W
R409	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R412	1-208-437-41	RES-CHIP	1K	2%	1/10W
R413	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R414	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R415	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R416	1-218-764-11	RES-CHIP	330K	2%	1/10W
R417	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R418	1-208-462-41	RES-CHIP	10K	2%	1/10W
R419	1-208-462-41	RES-CHIP	10K	2%	1/10W

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description			Remark
R420	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R423	1-208-437-41	RES-CHIP	1K	2%	1/10W
R424	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R425	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R426	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R427	1-218-764-11	RES-CHIP	330K	2%	1/10W
R428	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R429	1-208-462-41	RES-CHIP	10K	2%	1/10W
R430	1-208-462-41	RES-CHIP	10K	2%	1/10W
R431	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R434	1-208-437-41	RES-CHIP	1K	2%	1/10W
R435	1-218-760-11	RES-CHIP	220K	2%	1/10W
R436	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R437	1-208-518-41	RES-CHIP	22K	2%	1/10W
R438	1-208-437-41	RES-CHIP	1K	2%	1/10W
R439	1-218-760-11	RES-CHIP	220K	2%	1/10W
R440	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R441	1-208-518-41	RES-CHIP	22K	2%	1/10W
R442	1-208-437-41	RES-CHIP	1K	2%	1/10W
R443	1-218-760-11	RES-CHIP	220K	2%	1/10W
R444	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R445	1-208-518-41	RES-CHIP	22K	2%	1/10W
R446	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R447	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R448	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R449	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R451	1-208-437-41	RES-CHIP	1K	2%	1/10W
R452	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R453	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R454	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R455	1-218-764-11	RES-CHIP	330K	2%	1/10W
R456	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R457	1-208-462-41	RES-CHIP	10K	2%	1/10W
R458	1-208-462-41	RES-CHIP	10K	2%	1/10W
R459	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R462	1-208-437-41	RES-CHIP	1K	2%	1/10W
R463	1-208-445-11	RES-CHIP	2.2K	2%	1/10W
R464	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R465	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R466	1-218-764-11	RES-CHIP	330K	2%	1/10W
R467	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R473	1-208-437-41	RES-CHIP	1K	2%	1/10W
R474	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R475	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R476	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R477	1-218-764-11	RES-CHIP	330K	2%	1/10W
R478	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R479	1-208-462-41	RES-CHIP	10K	2%	1/10W
R480	1-208-462-41	RES-CHIP	10K	2%	1/10W
R481	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R484	1-208-437-41	RES-CHIP	1K	2%	1/10W
R485	1-218-760-11	RES-CHIP	220K	2%	1/10W
R486	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R487	1-208-518-41	RES-CHIP	22K	2%	1/10W
R488	1-208-437-41	RES-CHIP	1K	2%	1/10W
R489	1-218-760-11	RES-CHIP	220K	2%	1/10W
R490	1-208-784-11	RES-CHIP	1.2K	2%	1/10W
R491	1-208-518-41	RES-CHIP	22K	2%	1/10W

Ref. No.	Part No.	Description			Remark
R492	1-208-437-41	RES-CHIP	1K	2%	1/10W
R493	1-218-760-11	RES-CHIP	220K	2%	1/10W
R494	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R495	1-208-518-41	RES-CHIP	22K	2%	1/10W
		< RELAY >			
RY300	1-515-793-11	RELAY			
**********					
	1-677-224-11	M-BUS BOARD(US,CND)			
		**********			
		< CAPACITOR >			
C215	1-126-963-11	ELECT	4.7uF	20.00%	50V
C216	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C232	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C233	1-164-690-91	CERAMIC CHIP	0.0022uF	5.00%	50V
C235	1-164-690-91	CERAMIC CHIP	0.0022uF	5.00%	50V
		< CONNECTOR >			
CNS204	1-568-826-11	CONNECTOR, FFC 7P			
		< IC >			
IC200	8-759-470-63	IC NJM2145M-TE2			
		< JACK >			
J203	1-563-330-11	JACK(MONITOR CTRL S IN)			
J204	1-563-330-11	JACK(VIDEO1 CTRL S OUT)			
J205	1-563-330-11	JACK(DVD/LD CTRL S OUT)			
J206	1-563-330-11	JACK(TV/SAT STATUS IN)			
		< TRANSISTOR >			
Q200	8-729-027-43	TRANSISTOR RT1N141C-TP-1			
Q201	8-729-027-23	TRANSISTOR RT1P141C-TP-1			
		< RESISTOR >			
R208	1-216-049-91	RES-CHIP	1K	5%	1/10W
R209	1-216-049-91	RES-CHIP	1K	5%	1/10W
R210	1-216-049-91	RES-CHIP	1K	5%	1/10W
R211	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2002	1-216-073-00	RES-CHIP	10K	5%	1/10W
**********					
	A-4473-455-A	POWER-AMP BOARD, COMPLETE			
		**********			
	7-685-646-79	SCREW +BVTP	3X8	TYPE2 IT-3	
		< CAPACITOR >			
C501	1-128-858-11	ELECT	22uF	20%	50V
C502	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
C503	1-102-233-00	CERAMIC	33PF	10.00%	500V
C504	1-107-591-11	CERAMIC	12PF	5.00%	500V
C505	1-128-832-11	ELECT	220uF	20%	10V
C520	1-128-860-11	ELECT	47uF	20%	16V
C523	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C524	1-137-372-11	MYLAR	0.022uF	5.00%	50V
C539	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
C541	1-128-858-11	ELECT	22uF	20%	50V

POWER-AMP

Ref. No.	Part No.	Description			Remark
C542	1-126-925-11	ELECT	470uF	20.00%	10V
C549	1-107-580-11	CERAMIC	1PF	0.25PF	500V
C551	1-128-858-11	ELECT	22uF	20%	50V
C552	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
C553	1-102-233-00	CERAMIC	33PF	10.00%	500V
C554	1-107-591-11	CERAMIC	12PF	5.00%	500V
C555	1-128-832-11	ELECT	220uF	20%	10V
C570	1-128-860-11	ELECT	47uF	20%	16V
C573	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C574	1-137-372-11	MYLAR	0.022uF	5.00%	50V
C589	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
C591	1-119-851-11	ELECT	22uF	20.00%	100V
C592	1-119-851-11	ELECT	22uF	20.00%	100V
C599	1-107-580-11	CERAMIC	1PF	0.25PF	500V
C601	1-128-858-11	ELECT	22uF	20%	50V
C602	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
C603	1-102-233-00	CERAMIC	33PF	10.00%	500V
C604	1-107-504-11	CERAMIC	10PF	0.50PF	500V
C605	1-128-832-11	ELECT	220uF	20%	10V
C608	1-119-820-11	ELECT	1uF	20%	50V
C609	1-119-820-11	ELECT	1uF	20%	50V
C620	1-128-860-11	ELECT	47uF	20%	16V
C623	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C624	1-137-372-11	MYLAR	0.022uF	5.00%	50V
C639	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
C649	1-107-580-11	CERAMIC	1PF	0.25PF	500V
C651	1-128-858-11	ELECT	22uF	20%	50V
C701	1-128-858-11	ELECT	22uF	20%	50V
C702	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
C703	1-102-233-00	CERAMIC	33PF	10.00%	500V
C704	1-107-504-11	CERAMIC	10PF	0.50PF	500V
C705	1-128-832-11	ELECT	220uF	20%	10V
C720	1-128-860-11	ELECT	47uF	20%	16V
C723	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C724	1-137-372-11	MYLAR	0.022uF	5.00%	50V
C739	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
C749	1-107-580-11	CERAMIC	1PF	0.25PF	500V
C751	1-128-858-11	ELECT	22uF	20%	50V
C752	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
C753	1-102-233-00	CERAMIC	33PF	10.00%	500V
C754	1-107-504-11	CERAMIC	10PF	0.50PF	500V
C755	1-128-832-11	ELECT	220uF	20%	10V
C770	1-128-860-11	ELECT	47uF	20%	16V
C773	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C774	1-137-372-11	MYLAR	0.022uF	5.00%	50V
C789	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
C799	1-107-580-11	CERAMIC	1PF	0.25PF	500V
		< CONNECTOR >			
CNP501	1-784-921-11	PIN, CONNECTOR 4P			
CNP502	1-779-799-11	PIN, CONNECTOR 9P			
CNP503	1-785-102-11	PIN, CONNECTOR 4P			
CNP504	1-779-977-11	PIN, CONNECTOR 6P			
CNP505	1-784-921-11	PIN, CONNECTOR 4P			
CNP508	1-785-102-21	PIN, CONNECTOR 4P			
CNP509	1-785-101-11	PIN, CONNECTOR 3P			
CNP510	1-784-922-11	PIN, CONNECTOR 5P			
CNP601	1-779-978-11	PIN, CONNECTOR 3P			
CNP602	1-784-922-21	PIN, CONNECTOR 5P			
CNP701	1-779-978-11	PIN, CONNECTOR 3P			
CNP702	1-785-104-11	PIN, CONNECTOR 6P			
		< DIODE >			
D501	8-719-988-61	DIODE 1SS355TE-17			
D502	8-719-045-99	DIODE UDZ-TE-17-2.2B			
D503	8-719-045-99	DIODE UDZ-TE-17-2.2B			
D504	8-719-988-61	DIODE 1SS355TE-17			
D505	8-719-988-61	DIODE 1SS355TE-17			
D507	8-719-988-61	DIODE 1SS355TE-17			
D541	8-719-988-61	DIODE 1SS355TE-17			
D542	8-719-988-61	DIODE 1SS355TE-17			
D543	8-719-988-61	DIODE 1SS355TE-17			
D544	8-719-988-61	DIODE 1SS355TE-17			
D547	8-719-988-61	DIODE 1SS355TE-17			
D548	8-719-988-61	DIODE 1SS355TE-17			
D549	8-719-988-61	DIODE 1SS355TE-17			
D551	8-719-988-61	DIODE 1SS355TE-17			
D552	8-719-045-99	DIODE UDZ-TE-17-2.2B			
D553	8-719-045-99	DIODE UDZ-TE-17-2.2B			
D554	8-719-988-61	DIODE 1SS355TE-17			
D555	8-719-988-61	DIODE 1SS355TE-17			
D601	8-719-988-61	DIODE 1SS355TE-17			
D602	8-719-045-99	DIODE UDZ-TE-17-2.2B			
D603	8-719-045-99	DIODE UDZ-TE-17-2.2B			
D604	8-719-988-61	DIODE 1SS355TE-17			
D605	8-719-988-61	DIODE 1SS355TE-17			
D607	8-719-988-61	DIODE 1SS355TE-17			
D657	8-719-988-61	DIODE 1SS355TE-17			
D701	8-719-988-61	DIODE 1SS355TE-17			
D702	8-719-045-99	DIODE UDZ-TE-17-2.2B			
D703	8-719-045-99	DIODE UDZ-TE-17-2.2B			
D704	8-719-988-61	DIODE 1SS355TE-17			
D705	8-719-988-61	DIODE 1SS355TE-17			
D707	8-719-988-61	DIODE 1SS355TE-17			
D751	8-719-988-61	DIODE 1SS355TE-17			
D752	8-719-045-99	DIODE UDZ-TE-17-2.2B			
D753	8-719-045-99	DIODE UDZ-TE-17-2.2B			
D754	8-719-988-61	DIODE 1SS355TE-17			
D755	8-719-988-61	DIODE 1SS355TE-17			
		< IC >			
IC501	8-759-326-52	IC uPC2581V			
IC502	8-749-014-72	IC SAP15N			
IC503	8-749-014-73	IC SAP15P			
IC552	8-749-014-72	IC SAP 15N			
IC553	8-749-014-73	IC SAP 15P			
IC601	8-759-326-52	IC uPC2581V			
IC602	8-749-014-72	IC SAP15N			
IC603	8-749-014-73	IC SAP15P			
IC701	8-759-326-52	IC uPC2581V			
IC702	8-749-014-72	IC SAP15N			
IC703	8-749-014-73	IC SAP15P			
IC752	8-749-014-72	IC SAP15N			
IC753	8-749-014-73	IC SAP15P			

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q501	8-729-027-43	TRANSISTOR RT1N141C-TP-1			
Q503	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA			
Q508	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA			
Q509	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA			
Q511	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L			
Q547	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA			
Q548	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L			
Q549	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA			
Q558	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA			
Q559	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA			
Q608	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA			
Q609	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA			
Q611	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L			
Q661	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L			
Q708	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA			
Q709	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA			
Q711	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L			
Q758	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA			
Q759	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA			
		< RESISTOR >			
R501	1-208-437-41	RES-CHIP	1K	2%	1/10W
R502	1-208-826-11	RES-CHIP	68K	2%	1/10W
R503	1-259-211-31	CARBON	68K	5%	1/4W
R504	1-259-179-31	CARBON	3.3K	5%	1/4W
R505	1-216-089-91	RES-CHIP	47K	5%	1/10W
R506	1-208-435-41	RES-CHIP	820	2%	1/10W
R507	1-208-784-11	RES-CHIP	1.2K	2%	1/10W
R509	1-216-295-91	SHORT	0		
R521	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R522	1-216-077-91	RES-CHIP	15K	5%	1/10W
R523	1-216-093-91	RES-CHIP	68K	5%	1/10W
⚠R524	1-249-393-11	CARBON	10	5%	1/4W F
⚠R525	1-249-393-11	CARBON	10	5%	1/4W F
R526	1-208-774-11	RES-CHIP	470	2%	1/10W
⚠R527	1-240-855-91	CARBON	6.2K	5%	1/4W
R528	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R529	1-216-089-91	RES-CHIP	47K	5%	1/10W
⚠R530	1-249-393-11	CARBON	10	5%	1/4W F
R532	1-216-073-00	METAL CHIP	10K	5%	1/10W
R533	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
⚠R534	1-249-393-11	CARBON	10	5%	1/4W F
R539	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R540	1-208-437-41	RES-CHIP	1K	2%	1/10W
R541	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R542	1-216-073-00	METAL CHIP	10K	5%	1/10W
R543	1-208-518-41	RES-CHIP	22K	2%	1/10W
R551	1-208-437-41	RES-CHIP	1K	2%	1/10W
R552	1-208-826-11	RES-CHIP	68K	2%	1/10W
R553	1-259-211-31	CARBON	68K	5%	1/4W
R554	1-259-179-31	CARBON	3.3K	5%	1/4W
R556	1-208-435-41	RES-CHIP	820	2%	1/10W
R557	1-208-784-11	RES-CHIP	1.2K	2%	1/10W
R559	1-216-295-91	SHORT	0		
R571	1-216-055-00	METAL CHIP	1.8K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R572	1-216-077-91	RES-CHIP	15K	5%	1/10W
R573	1-216-093-91	RES-CHIP	68K	5%	1/10W
⚠R574	1-249-393-11	CARBON	10	5%	1/4W F
⚠R575	1-249-393-11	CARBON	10	5%	1/4W F
R576	1-208-774-11	RES-CHIP	470	2%	1/10W
⚠R577	1-240-855-91	CARBON	6.2K	5%	1/4W
R578	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R579	1-216-089-91	RES-CHIP	47K	5%	1/10W
⚠R580	1-249-393-11	CARBON	10	5%	1/4W F
⚠R591	1-249-393-11	CARBON	10	5%	1/4W F
⚠R592	1-249-393-11	CARBON	10	5%	1/4W F
R594	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R601	1-208-437-41	RES-CHIP	1K	2%	1/10W
R602	1-208-826-11	RES-CHIP	68K	2%	1/10W
R603	1-259-211-31	CARBON	68K	5%	1/4W
R604	1-259-179-31	CARBON	3.3K	5%	1/4W
R606	1-208-435-41	RES-CHIP	820	2%	1/10W
R607	1-208-784-11	RES-CHIP	1.2K	2%	1/10W
R609	1-216-295-91	SHORT	0		
R621	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R622	1-216-077-91	RES-CHIP	15K	5%	1/10W
R623	1-216-093-91	RES-CHIP	68K	5%	1/10W
⚠R624	1-249-393-11	CARBON	10	5%	1/4W F
⚠R625	1-249-393-11	CARBON	10	5%	1/4W F
R626	1-208-774-11	RES-CHIP	470	2%	1/10W
⚠R627	1-240-855-91	CARBON	6.2K	5%	1/4W
R628	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R629	1-216-089-91	RES-CHIP	47K	5%	1/10W
⚠R630	1-249-393-11	CARBON	10	5%	1/4W F
R632	1-216-073-00	METAL CHIP	10K	5%	1/10W
R633	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
⚠R634	1-249-393-11	CARBON	10	5%	1/4W F
R643	1-208-518-41	RES-CHIP	22K	2%	1/10W
R652	1-208-826-11	RES-CHIP	68K	2%	1/10W
R682	1-216-073-00	METAL CHIP	10K	5%	1/10W
R683	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
⚠R684	1-249-393-11	CARBON	10	5%	1/4W F
R701	1-208-437-41	RES-CHIP	1K	2%	1/10W
R702	1-208-826-11	RES-CHIP	68K	2%	1/10W
R703	1-259-211-31	CARBON	68K	5%	1/4W
R704	1-259-179-31	CARBON	3.3K	5%	1/4W
R706	1-208-435-41	RES-CHIP	820	2%	1/10W
R707	1-208-784-11	RES-CHIP	1.2K	2%	1/10W
R709	1-216-295-91	SHORT	0		
R721	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R722	1-216-077-91	RES-CHIP	15K	5%	1/10W
R723	1-216-093-91	RES-CHIP	68K	5%	1/10W
⚠R724	1-249-393-11	CARBON	10	5%	1/4W F
⚠R725	1-249-393-11	CARBON	10	5%	1/4W F
R726	1-208-774-11	RES-CHIP	470	2%	1/10W
⚠R727	1-240-855-91	CARBON	6.2K	5%	1/4W
R728	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R729	1-216-089-91	RES-CHIP	47K	5%	1/10W
⚠R730	1-249-393-11	CARBON	10	5%	1/4W F
R732	1-216-073-00	METAL CHIP	10K	5%	1/10W
R733	1-216-065-91	RES-CHIP	4.7K	5%	1/10W

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Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

POWER-AMP **ROTARY** **SURR SP**

Ref. No.	Part No.	Description			Remark
⚠R734	1-249-393-11	CARBON	10	5%	1/4W F
R743	1-208-518-41	RES-CHIP	22K	2%	1/10W
R751	1-208-437-41	RES-CHIP	1K	2%	1/10W
R752	1-208-826-11	RES-CHIP	68K	2%	1/10W
R753	1-259-211-31	CARBON	68K	5%	1/4W
R754	1-259-179-31	CARBON	3.3K	5%	1/4W
R756	1-208-435-41	RES-CHIP	820	2%	1/10W
R757	1-208-784-11	RES-CHIP	1.2K	2%	1/10W
R759	1-216-295-91	SHORT	0		
R771	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R772	1-216-077-91	RES-CHIP	15K	5%	1/10W
R773	1-216-093-91	RES-CHIP	68K	5%	1/10W
⚠R774	1-249-393-11	CARBON	10	5%	1/4W F
⚠R775	1-249-393-11	CARBON	10	5%	1/4W F
R776	1-208-774-11	RES-CHIP	470	2%	1/10W
⚠R777	1-240-855-91	CARBON	6.2K	5%	1/4W
R778	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R779	1-216-089-91	RES-CHIP	47K	5%	1/10W
⚠R780	1-249-393-11	CARBON	10	5%	1/4W F
		< VARIABLE RESISTOR >			
RV501	1-241-760-11	RES, ADJ, CARBON 470			
RV551	1-241-760-11	RES, ADJ, CARBON 470			
RV601	1-241-760-11	RES, ADJ, CARBON 470			
RV701	1-241-760-11	RES, ADJ, CARBON 470			
RV751	1-241-760-11	RES, ADJ, CARBON 470			
		< RELAY >			
RY501	1-515-793-11	RELAY			
RY601	1-515-920-11	RELAY (24V)			
RY651	1-515-793-11	RELAY			
RY701	1-515-920-11	RELAY (24V)			
		< TEST PIN >			
* TP501	1-564-505-11	PLUG, CONNECTOR 2P			
* TP551	1-564-505-11	PLUG, CONNECTOR 2P			
* TP601	1-564-505-11	PLUG, CONNECTOR 2P			
* TP701	1-564-505-11	PLUG, CONNECTOR 2P			
* TP751	1-564-505-11	PLUG, CONNECTOR 2P			
**********					
	A-4473-463-A	ROTARY BOARD, COMPLETE			
		**********			
		< CONNECTOR >			
CNP106	1-784-923-11	PIN, CONNECTOR 7P			
		< DIODE >			
D121	8-719-032-98	DIODE SEL5820A-TP15(AUDIO SPLIT)			
D123	8-719-032-98	DIODE SEL5820A-TP15(MUTING)			
		< RESISTOR >			
R102	1-216-029-00	METAL CHIP	150	5%	1/10W
R103	1-216-029-00	METAL CHIP	150	5%	1/10W
R158	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R159	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R160	1-216-065-91	RES-CHIP	4.7K	5%	1/10W

Ref. No.	Part No.	Description			Remark
		< VARIABLE RESISTOR >			
RV101	1-418-589-11	ENCODER, ROTARY(FUNCTION)			
		< SWITCH >			
S126	1-771-349-21	SWITCH, KEYBOARD(INPUT MODE)			
S127	1-771-349-21	SWITCH, KEYBOARD(MUTING)			
S135	1-771-349-21	SWITCH, KEYBOARD(AUDIO SPRIT)			
**********					
	1-677-227-11	SURR SP BOARD			
		**********			
		< CAPACITOR >			
C514	1-137-503-11	MYLAR	0.0001uF	5.00% 50V	(EXCEPT US,CND,E,PX,EA)
C564	1-137-503-11	MYLAR	0.0001uF	5.00% 50V	(EXCEPT US,CND,E,PX,EA)
C606	1-163-117-00	CERAMIC CHIP	100PF	5% 50V	
C607	1-163-117-00	CERAMIC CHIP	100PF	5% 50V	
C610	1-163-117-00	CERAMIC CHIP	100PF	5% 50V	
C614	1-137-503-11	MYLAR	0.0001uF	5.00% 50V	(EXCEPT US,CND,E,PX,EA)
C615	1-137-503-11	MYLAR	0.0001uF	5.00% 50V	(EXCEPT US,CND,E,PX,EA)
C616	1-163-117-00	CERAMIC CHIP	100PF	5% 50V	
C716	1-163-117-00	CERAMIC CHIP	100PF	5% 50V	
C664	1-137-503-11	MYLAR	0.0001uF	5.00% 50V	(EXCEPT US,CND,E,PX,EA)
C714	1-137-503-11	MYLAR	0.0001uF	5.00% 50V	(EXCEPT US,CND,E,PX,EA)
C715	1-137-503-11	MYLAR	0.0001uF	5.00% 50V	(EXCEPT US,CND,E,PX,EA)
C764	1-137-503-11	MYLAR	0.0001uF	5.00% 50V	(EXCEPT US,CND,E,PX,EA)
C765	1-137-503-11	MYLAR	0.0001uF	5.00% 50V	(EXCEPT US,CND,E,PX,EA)
C766	1-163-117-00	CERAMIC CHIP	100PF	5% 50V	
		< JACK >			
J501	1-793-345-21	JACK, PIN 6P(PREOUT)			
J502	1-794-436-11	JACK, PIN 1P(CENTER SP)			
		< COIL >			
L601	1-419-666-11	COIL, AIR-CORE			
L701	1-419-666-11	COIL, AIR-CORE			
L751	1-419-666-11	COIL, AIR-CORE			
		< RESISTOR >			
R514	1-216-687-11	METAL CHIP	33K	0.5% 1/10W	
R515	1-208-784-11	RES-CHIP	1.2K	2% 1/10W	
R564	1-216-687-11	METAL CHIP	33K	0.5% 1/10W	
R565	1-208-784-11	RES-CHIP	1.2K	2% 1/10W	
R614	1-216-687-11	METAL CHIP	33K	0.5% 1/10W	
R615	1-208-784-11	RES-CHIP	1.2K	2% 1/10W	
⚠R616	1-249-393-11	CARBON	10	5% 1/4W F	(EXCEPT US,CND,E,PX,EA)
⚠R631	1-249-389-11	CARBON	4.7	5% 1/4W F	

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Ref. No.	Part No.	Description			Remark
R664	1-216-049-91	RES-CHIP	1K	5%	1/10W
R714	1-216-687-11	METAL CHIP	33K	0.5%	1/10W
R715	1-208-784-11	RES-CHIP	1.2K	2%	1/10W
⚠R716	1-249-393-11	CARBON	10	5%	1/4W F
			(EXCEPT US,CND,E,PX,EA)		
⚠R731	1-249-389-11	CARBON	4.7	5%	1/4W F
R764	1-216-687-11	METAL CHIP	33K	0.5%	1/10W
R765	1-208-784-11	RES-CHIP	1.2K	2%	1/10W
⚠R766	1-249-393-11	CARBON	10	5%	1/4W F
			(EXCEPT US,CND,E,PX,EA)		
⚠R781	1-249-389-11	CARBON	4.7	5%	1/4W F
		< TERMINAL >			
TM601	1-694-431-21	TERMINAL BOARD (SP)(CENTER, REAR)			
**********					
	A-4473-480-A	S-VIDEO BOARD, COMPLETE			
		**********			
					(EXCEPT US,CND,TW)
	A-4473-467-A	S-VIDEO BOARD, COMPLETE(US,CND)			
		**********			
	A-4473-498-A	S-VIDEO BOARD, COMPLETE(TW)			
		**********			
		< CAPACITOR >			
C217	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C218	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C219	1-126-964-11	ELECT	10uF	20.00%	50V
C220	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C221	1-126-964-11	ELECT	10uF	20.00%	50V
C222	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
C223	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
C224	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C225	1-126-964-11	ELECT	10uF	20.00%	50V
C226	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
C227	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
C228	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C229	1-126-964-11	ELECT	10uF	20.00%	50V
C230	1-136-165-00	MYLAR	0.1uF	5.00%	50V
C231	1-126-925-11	ELECT	470uF	20.00%	10V
C234	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C236	1-126-933-11	ELECT	100uF	20.00%	16V
C237	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C238	1-126-933-11	ELECT	100uF	20.00%	16V
C239	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C240	1-126-933-11	ELECT	100uF	20.00%	16V
C241	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C242	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C243	1-126-933-11	ELECT	100uF	20.00%	16V
C244	1-126-964-11	ELECT	10uF	20.00%	50V
C245	1-165-319-11	CERAMIC CHIP	0.1uF		50V
					(EXCEPT US,CND,TW)
C246	1-104-664-11	ELECT	47uF	20.00%	16V
					(EXCEPT US,CND,TW)
C247	1-126-962-11	ELECT	3.3uF	20.00%	50V
					(EXCEPT US,CND,TW)

Ref. No.	Part No.	Description			Remark
C248	1-126-964-11	ELECT	10uF	20.00%	50V
C249	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C251	1-126-962-11	ELECT	3.3uF	20.00%	50V
					(EXCEPT US,CND,TW)
C252	1-126-964-11	ELECT	10uF	20.00%	50V
C262	1-126-964-11	ELECT	10uF	20.00%	50V
C263	1-126-964-11	ELECT	10uF	20.00%	50V
C264	1-163-235-11	CERAMIC CHIP	22PF	5.00%	50V
					(US,CND,TW)
C265	1-163-091-00	CERAMIC CHIP	8PF		50V
					(US,CND,TW)
C266	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C267	1-163-239-11	CERAMIC CHIP	33PF	5.00%	50V
C268	1-163-227-11	CERAMIC CHIP	10PF	0.50PF	50V
C269	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C270	1-104-664-11	ELECT	47uF	20.00%	16V
C271	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C272	1-126-964-11	ELECT	10uF	20.00%	50V
C273	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C274	1-126-964-11	ELECT	10uF	20.00%	50V
C275	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C276	1-104-664-11	ELECT	47uF	20.00%	16V
C277	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C279	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C2006	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
					(EXCEPT US,CND,TW)
C2001	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
C2002	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
C2004	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< CONNECTOR >			
CNP201	1-750-180-11	PIN, CONNECTOR (PC BOARD) 5P			
					(EXCEPT US,CND,TW)
CNP202	1-568-826-11	CONNECTOR, FFC 7P(EXCEPT US,CND)			
CNP202	1-784-774-11	CONNECTOR, FFC 13P(US,CND)			
CNP204	1-784-921-11	PIN, CONNECTOR 4P			
CNS201	1-568-830-11	CONNECTOR, FFC 11P			
CNS203	1-568-826-11	CONNECTOR, FFC 7P(US,CND)			
		< TRIMMER >			
CT203	1-141-442-91	CAP, CERAMIC TRIMMER 20PF(US,CND,TW)			
CT204	1-141-442-91	CAP, CERAMIC TRIMMER 20PF			
		< DIODE >			
D201	8-719-801-78	DIODE 1SS184-TE85L			
D206	8-719-988-61	DIODE 1SS355TE-17			
		< FERRITE BEAD >			
FB202	1-216-295-91	SHORT	0(EXCEPT US,CND,TW)		
		< IC >			
IC202	8-759-536-24	IC NJM-2296M-TE2			
IC203	8-759-536-24	IC NJM-2296M-TE2			
IC204	8-759-822-05	IC LA7213(EXCEPT US,CND,TW)			
IC205	8-759-822-05	IC LA7213(EXCEPT US,CND,TW)			
IC209	8-759-647-08	IC MB90089PF-234-ER			

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S-VIDEO **VOL** **V-SEL**

Ref. No.	Part No.	Description			Remark
IC210	8-759-682-76	IC BA7622F-E2			
		< JACK >			
J207	1-563-330-11	JACK(CONTROL A1 Ⅱ)			
J208	1-779-801-11	CONNECTOR (ROUND TYPE)(VIDEO 1)			
J209	1-779-801-11	CONNECTOR (ROUND TYPE)(VIDEO 2)			
J210	1-779-801-11	CONNECTOR (ROUND TYPE)(TV/SAT/DVD/LD)			
J211	1-779-800-11	TERMINAL, S(MONITOR)			
		< JUMPER RESISTOR >			
JR201	1-216-295-91	SHORT	0		
JR203	1-216-296-91	SHORT	0		
JR204	1-216-296-91	SHORT	0		
JR205	1-216-296-91	SHORT	0		
JR206	1-216-296-91	SHORT	0		
JR208	1-216-296-91	SHORT	0		
JR251	1-216-296-91	SHORT	0(EXCEPT US,CND,TW)		
		< COIL >			
L201	1-500-425-11	FERRITE	0uH		
L202	1-500-425-11	FERRITE	0uH		
L203	1-500-425-11	FERRITE	0uH		
L204	1-500-425-11	FERRITE	0uH		
L205	1-408-781-00	INDUCTOR CHIP	22uH		
		< TRANSISTOR >			
Q202	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L			
Q203	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L			
		< RESISTOR >			
R212	1-216-022-00	METAL CHIP	75	5%	1/10W
R213	1-216-022-00	METAL CHIP	75	5%	1/10W
R214	1-216-022-00	METAL CHIP	75	5%	1/10W
R215	1-216-022-00	METAL CHIP	75	5%	1/10W
R216	1-216-022-00	METAL CHIP	75	5%	1/10W
R217	1-216-022-00	METAL CHIP	75	5%	1/10W
R218	1-216-022-00	METAL CHIP	75	5%	1/10W
R219	1-216-022-00	METAL CHIP	75	5%	1/10W
R220	1-216-022-00	METAL CHIP	75	5%	1/10W
R221	1-216-022-00	METAL CHIP	75	5%	1/10W
R222	1-216-022-00	METAL CHIP	75	5%	1/10W
R223	1-216-022-00	METAL CHIP	75	5%	1/10W
R224	1-216-022-00	METAL CHIP	75	5%	1/10W
R225	1-216-022-00	METAL CHIP	75	5%	1/10W
R226	1-216-097-91	RES-CHIP	100K	5%	1/10W
R227	1-216-097-91	RES-CHIP	100K	5%	1/10W
R228	1-216-097-91	RES-CHIP	100K	5%	1/10W
R229	1-216-097-91	RES-CHIP	100K	5%	1/10W
R230	1-216-097-91	RES-CHIP	100K	5%	1/10W
R231	1-216-001-00	METAL CHIP	10	5%	1/10W
R232	1-216-001-00	METAL CHIP	10	5%	1/10W
R233	1-216-001-00	METAL CHIP	10	5%	1/10W
R235	1-216-105-91	RES-CHIP	220K	5%	1/10W
				(EXCEPT US,CND,TW)	
R236	1-216-105-91	RES-CHIP	220K	5%	1/10W
				(EXCEPT US,CND,TW)	

Ref. No.	Part No.	Description			Remark
R237	1-216-037-00	METAL CHIP	330	5%	1/10W
				(EXCEPT US,CND,TW)	
R238	1-216-037-00	METAL CHIP	330	5%	1/10W
				(EXCEPT US,CND,TW)	
R245	1-216-063-91	RES-CHIP	3.9K	5%	1/10W
R246	1-216-089-91	RES-CHIP	47K	5%	1/10W
R247	1-216-089-91	RES-CHIP	47K	5%	1/10W
R248	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R249	1-216-089-91	RES-CHIP	47K	5%	1/10W
R250	1-216-089-91	RES-CHIP	47K	5%	1/10W
R251	1-216-035-00	METAL CHIP	270	5%	1/10W
				(US,CND,TW)	
R252	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R254	1-216-073-00	METAL CHIP	10K	5%	1/10W
R255	1-216-049-91	RES-CHIP	1K	5%	1/10W
R278	1-216-022-00	METAL CHIP	75	5%	1/10W
R279	1-216-022-00	METAL CHIP	75	5%	1/10W
		< TEST PIN >			
TP201	1-784-921-11	PIN, CONNECTOR 4P			
		< VIBRATOR >			
X202	1-781-821-21	VIBRATOR, CRYSTAL(14.31818MHz)			
					(US,CND,TW)
**********					
	1-677-218-11	VOL BOARD			
		********			
		< CAPACITOR >			
C119	1-136-287-11	CERAMIC CHIP	4700PF	10%	50V
		< CONNECTOR >			
CNP105	1-770-389-11	PIN, CONNECTOR(PC BOARD) 5P			
		< DIODE >			
D105	8-719-422-12	DIODE UDZ-TE-17-3.9B			
		< RESISTOR >			
R157	1-216-083-00	METAL CHIP	27K	5%	1/10W
R190	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
		< VARIABLE RESISTOR >			
RV103	1-227-182-11	RES, VAR, CARBON 10K/10K(MASTER VOLUME)			
**********					
	1-677-214-11	V-SEL BOARD	(V555:E,PX,EA)		
		**********			
	1-533-223-11	HOLDER, FUSE			
		< CONNECTOR >			
CNP905	1-568-106-11	PIN, CONNECTOR 4P(E,PX,EA)			

Ref. No.	Part No.	Description	Remark
		< FUSE >	
⚠F904	1-532-465-51	FUSE, TIME LAG 2.5A/250V(E,PX,EA)	
		< SWITCH >	
⚠S901	1-571-437-21	SWITCH, POWER(VOLTAGE SELECTOR)(E,PX,EA)	
**********			
		MISCELLANEOUS	
		**********	
33	1-773-050-11	WIRE (FLAT TYPE) (17 CORE)	
34	1-769-903-11	WIRE (FLAT TYPE) (7 CORE)	
		(V555:AEP,UK,CIS,AUS,EE,MY,SP,E,PX,EA,HK,TW,CH)	
34	1-769-999-11	WIRE (FLAT TYPE) (13 CORE)	
		(V333/V444/V555:US,CND)	
⚠68	1-559-479-11	CORD, POWER(V333/V444/V555:US,CND,TW)	
⚠68	1-575-953-11	CORD, POWER	
		(V555:AEP,UK,CIS,AUS,EE,MY,SP,HK,E,PX,EA)	
⚠68	1-782-464-21	CORD, POWER(V555:CH)	
74	1-769-939-11	WIRE (FLAT TYPE) (11 CORE)	
75	1-765-315-11	WIRE (FLAT TYPE) (7 CORE)(V444/V555:US,CND)	
75	1-769-888-11	WIRE (FLAT TYPE) (7 CORE)(V333)	
76	1-773-037-11	WIRE (FLAT TYPE) (17 CORE)	
77	1-773-008-11	WIRE (FLAT TYPE) (15 CORE)	
⚠T901	1-435-448-11	TRANSFORMER, POWER(V444/V555:US,CND)	
⚠T901	1-435-449-11	TRANSFORMER, POWER	
		(V555:AEP,UK,CIS,AUS,EE,MY,SP,HK,CH)	
⚠T901	1-435-450-11	TRANSFORMER, POWER(V555:E,PX,EA)	
⚠T901	1-435-588-11	TRANSFORMER, POWER(V555:TW)	
⚠T901	1-435-686-11	TRANSFORMER, POWER(V333)	
TU301	1-693-407-23	TUNER	
		(V333/V444/V555:US,CND,E,PX,EA,TW)	
TU301	1-693-409-23	TUNER(V555:AEP,UK,CIS,AUS,EE,MY,SP,HK,CH)	
**********			
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-418-865-11	REMOTE COMMANDER (RM-TP504)(V555)	
	1-418-866-13	REMOTE COMMANDER (RM-LJ304) (V333,V444)	
	1-476-232-11	REMOTE COMMANDER (RM-US104)	
		(V444/V555:US,CND)	
	1-501-374-11	ANTENNA, LOOP	
	1-501-594-11	ANTENNA (FM)	
		(V555:AEP,UK,CIA,AUS,EA,MY,SP,HK,CH)	
	1-528-174-31	BATTERY, LITHIUM (CR2032 TYPE)(V555)	
	1-777-172-11	CORD, CONNECTION (MINI PLUG 1m)(US,CND)	
	1-777-560-11	CORD, CONNECTION (PIN PLUG 1.5m)(US,CND)	
	1-793-184-21	CONNECTOR (F TYPE ADAPTOR)	
		(V333,V444/V555:E,PX,EA,TW)	
	4-210-990-01	LID BATTERY CASE (FOR RM-LJ304)(V333,V444)	
	4-227-951-13	MANUAL, INSTRUCTION(ENGLISH) (V555)	
	4-227-951-22	MANUAL, INSTRUCTION(FRENCH,SPANISH)	
		(V555:US,CND,AEP,CIA,AUS,EE,MY,SP,	
		HK,E,PX,EA)	
	4-227-951-31	MANUAL, INSTRUCTION(CHINESE)	
		(V555:E,PX,EA,TW,CH)	
	4-227-951-41	MANUAL, INSTRUCTION	
		(DUTCH,SWEDISH,GERMAN,ITALIAN,	
		PORTUGUESE)	
		(V555:AEP,UK,CIA,AUS,EE,MY,SP,HK)	
	4-228-696-01	COVER, BATTERY (FOR RM-US104)	
		(V444/V555: US, CND)	
	4-230-063-11	MANUAL, INSTRUCTION(ENGLISH) (V555)	
	4-230-063-21	MANUAL, INSTRUCTION(FRENCH)	
		(V555:US,CND,AEP,CIA,AUS,EE,MY,SP,	
		HK,E,PX,EA)	
	4-230-063-31	MANUAL, INSTRUCTION(SPANISH,CHINESE)	
		(V555:E,PX,EA)	
	4-230-063-41	MANUAL, INSTRUCTION(CHINESE)	
		(V555:TW,CH)	
	4-230-063-51	MANUAL, INSTRUCTION	
		(SPANISH,DUTCH,SWEDISH)	
		(V555:AEP,UK,CIA,AUS,EE,MY,SP,HK)	
	4-230-063-61	MANUAL, INSTRUCTION	
		(GERMAN,ITALIAN,PORTUGUESE)	
		(V555:AEP,UK,CIA,AUS,EE,MY,SP,HK)	
	4-230-072-11	MANUAL, INSTRUCTION(ENGLISH) (V333,V444)	
	4-230-072-21	MANUAL, INSTRUCTION(FRENCH) (V333,V444)	
	4-997-648-01	COVER, BATTERY (FOR RM-TP504)(V555)	
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		**********	
		HARDWARE LIST	
		**********	
#1	7-685-234-19	SCREW +KTP 2.6X8 TYPE2NON-SLIT	
#2	7-685-236-19	SCREW +KTP 2.6X12TYPE2NON-SLIT	
#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#4	7-685-853-04	SCREW +BVTT 2X6 (S)	
#5	7-685-881-09	SCREW +BVTT 4X8 (S)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性．因此只能以规定号码的零部件来更换．